Township_____ Range_____ County_____

Parcel Number	Name of ~~Owner~~ Appropriator	Address
Appropriation 163	Bailey, C.H. & J.W. (1500 M.I.)	Big Timber, Mont.
	Unsurveyed land three miles east of Big Timber. Point of diversion is on east bank on Boulder River about 3 miles up from mouth of Boulder.	
Appropriation 164	Baker, F.L. (1500 M.I.)	Big Timber, Mont.
	No legal description. Point of diversion is on east bank on Boulder River, on ranch claims of Wilbur Dodge.	
Appropriation 216	Pioneer Ditch Company (3000 M.I.)	Big Timber, Mont.
	No legal description. Lands in 1N 15E. Point of diversion on Boulder River on right bank on lot 7 & 8, Sec. 23, 1N, 14E.	
Appropriation 339	Marquette, Gus.	Big Deer Creek
	Check Creek name. Land description places this appropriation on a tributary of Sweet Grass Creek.	
Appropriation 372	Edwards, Samuel (135 M.I.)	Big Timber, Mont.
	No legal description. Land situated 160 rods southerly from the mouth of Dry Creek. Water from Dry Creek & Swamp Creek.	
Appropriation 373	Frizell, Henry (100 M.I.)	Big Timber, Mont.
	No legal description. Point of diversion on Swamp Creek on north bank about 220 rods below mouth of Dry Creek. Diversion on Dry Creek is on southerly bank about a mile above its mouth.	
Appropriation 533	Holland Irr. Canal Co. (1000 M.I.)	Bozeman, Mont.
	Lands lying to or under the ditch or canal. Point of diversion on right bank of Otter Creek.	
Appropriation 739	Weatherman, Solomon (60 M.I.)	Big Timber, Mont.
	Point of diversion on north bank of Swamp Creek 100 yds below falls. Point of diversion on south bank of Dry Creek about one mile from its mouth. 160 acres.	

Township _____ Range _____ County _____

Parcel Number	Name of ~~Owner~~ Appropriator	Address
Appropriation 923	Northern Pacific Ry. (20 M.I.)	
	Point of diversion on right bank of Yellowstone River about 3 miles northwest of Grey Cliff Station	
Appropriation 924	Northern Pacific Ry (20 M.I.)	
	Point of diversion on right bank of Yellowstone River about 3 miles northwest of Grey Cliff Station.	

Township 1 North, Range 15 East

No.	Name of Appropriator	Name of Stream	Date App.	Date Filed	M.I.
78B	Marquette, Gus	Big Creek	11-1-92	11-2-92	250
79	Bailey, J. W. and Clark, E. O.	Big Timber Creek	3-4-04	3-19-04	500
85	Brown, Chas. G. and Cox, Rob't.	Big Timber Creek	3-28-85	3-30-85	400
86	Brown, Charles G.	Big Timber Creek	4-15-82	4-15-82	—
128	Rudd, Alfred	Big Timber Creek	10-19-00	10-20-00	250
136	Ten Mile Ditch Co.	Big Timber Creek	10-10-04	10-10-04	1200
179	Conwell, G.B. et al	Boulder River	11-29-05	12-5-05	25 cu.ft
188	Dry Creek Canal Co.	Boulder River	8-18-03	8-18-03	4200
189	Dundas, Alex & Jas.	Boulder River	5-1-03	5-2-03	600
191	Egeland, Peter J.	Boulder River	5-29-99	7-21-99	250
322	Brown, A. J.	Cox Creek	3-3-21	3-9-21	500
339	Marquette, Gus	Deer Creek	11-1-92	11-2-92	250
331	Monroe, L.W. & J.	Deer Creek (Lower)	5-13-98	5-13-98	350
357	Jackson, Robert	Deer Creek (Upper)	11-5-92	11-5-92	640
370	Curtis, G. L.	Dry Creek	3-3-03	3-14-03	160
371	Curtis, W. R.	Dry Creek	10-21-01	10-22-01	160
380	Olmstead, Leon C.	Dry Creek	8-24-11	8-25-11	100
471	Brown, C. G.	Gulch Creek	3-28-95	3-30-95	100
481	Falgren, Carl	Hobbs Coulee	1-2-06	1-2-06	100
~~512~~	~~Hartland~~				
545	Olmstead, Leon C.	Milligan Creek	8-17-11	8-17-11	200
571	Bailey, Mary E.	Otter Creek	3- -07	3-26-07	300
572	Baker, Mary	Otter Creek	2-23-10	2-23-10	400
573	Clark, E. O.	Otter Creek	2-21-10	2-23-10	500
592	Meyer, Henry	Otter Creek	3-2-03	3-2-03	250
593	Meyer, Henry	Otter Creek	10-7-03	10-7-03	250
598	Rudd, Alfred	Otter Creek	4-30-21	5-3-21	200
599	Sanborn, Harry and Sanders, Wm.E.	Otter Creek	4-22-99	4-22-99	500
624	Bailey, E. N.	Rapstad Creek	5-24-05	5-24-05	160
661	Mansell, L. B.	Slough Creek	8-20-29	8-22-29	320
~~662~~	~~Philipson, Patrick~~	~~Small Hopes Creek~~	~~4-6-04~~	~~4-8-04~~	~~100~~

No.	Name of Appropriator	Name of Stream	Date App.	Date Filed	M.I.
677	Grandall, E. B.	Spring Creek	5-24-12	5-24-12	100
788	Harrison, Cecil	Sweetgrass Creek	5-14-15	5-14-15	150
883A	Calwell, James	White Tail Creek	7-3-79	- - -	250
926	Spanning, Jos. & Simon	Yellowstone River	6-6-34	6-7-34	200
932	Manis, Thomas J.	Unnamed Stream	8-3-20	8-3-20	160
985	Curtis, F. C.	Unnamed Spring	10-25-99	10-26-99	200
1010	Hobbs, J. C.	Unnamed Spring	4-3-01	4-3-01	100
1022	Knapp, W. J.	Unnamed Spring	3-15-01	3-15-01	100
1051	Rudd, Alfred	Unnamed Spring	3-21-03	4-1-03	105
1086	Curtis, Charles	Flood Waters	4-14-13	4-15-13	200
D-65	Bailey, E. N.	Big Timber Creek	4-15-82		150
D-66	Bailey, E. N.	Big Timber Creek	3-4-04		200
D-110	Rudd, Alfred	Big Timber Creek	9-1-97		170
D-119	Webb, F. A.	Big Timber Creek	4-15-82		150
D-159	Kitosh, Tonette and Walters, Louis	Beer Creek	9-1-92		240

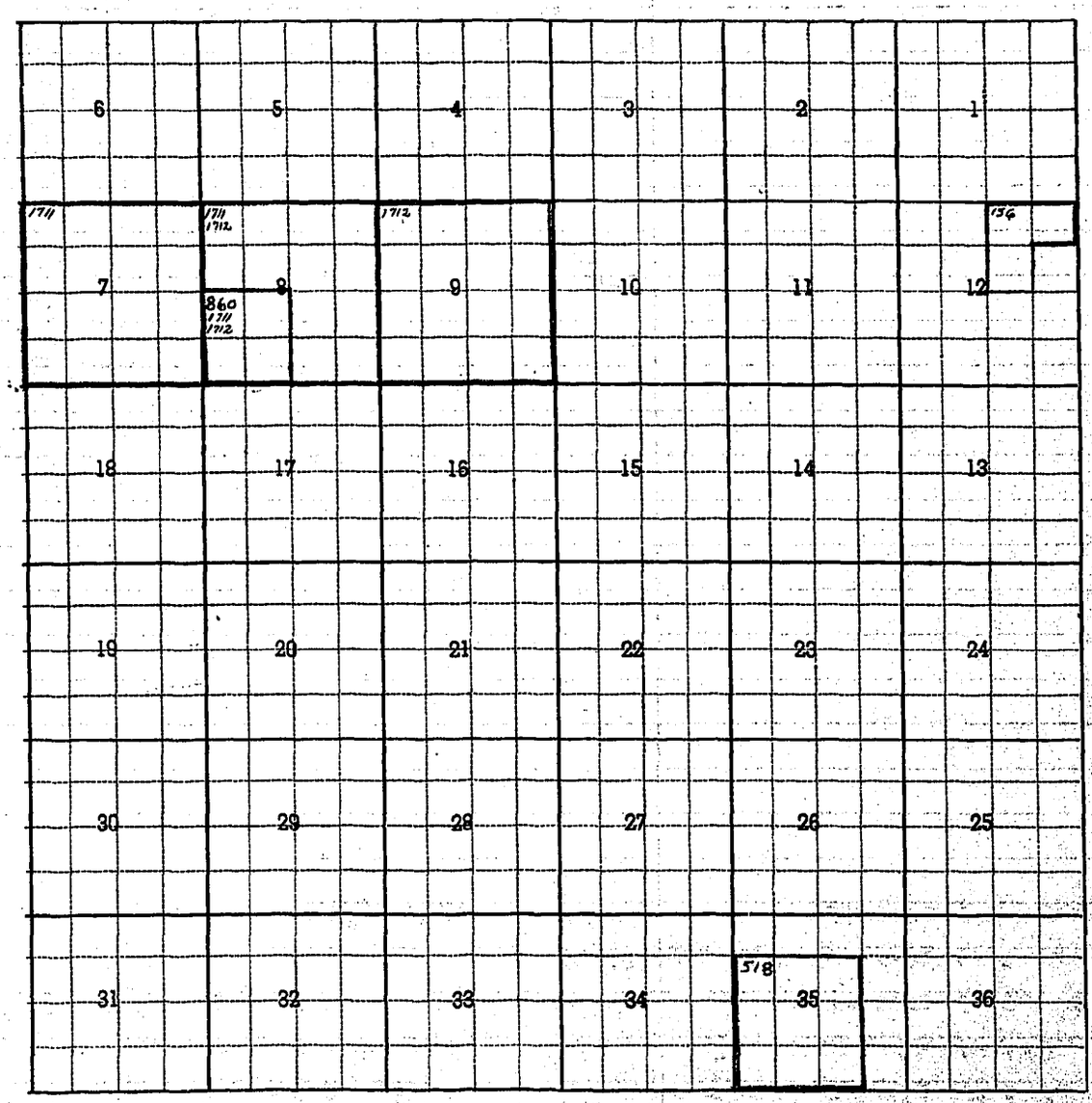
FORM D-1
REPORTER 1M 3-49 17379

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 1N Range 15E County Sweet Grass



Transcribed from Park County

Township 1N Range 15E

Township _____ Range _____ County _____

Parcel Number	Name of Owner	Stream		App	Filed	MI
156	Marquette, Gus	Big	Cr.	11-1-92	11-2-92	250
518	Jackson, Robert	Deer	Cr.	11-5-92	11-5-92	640
860	Brown, Charles G.	Gulch	Cr.	3-28-85	3-30-85	100
1711	" "	Big Timber	Cr.	4-15-82	4-15-82	—
1712	Brown, Chas. & Cox, Robert	"	"	"	3-28-85	3-30-85	400

WATER RESOURCES DIVISION
STATE ENGINEER'S OFFICE
BUREAU OF ROMPING

Form Checked

By Dave & Joe

Area Big Timber

Date 4/25/50

FORM F-1 REPORTER IM 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 16 C, 21 A

County Sw. Gran.

T. 1N R. 1 E Sec. 16, 21

Photo No. MA-13A-160

Legal Land Owner John Boe Address Big Timber

Operator " Address "

Water is delivered by:

Federal Project Pres. Pot.

216 Ditch Company Pioneer Ditch Co. Pres. Pot.

Irrigation District Pres. Pot.

Private System Pres. Pot.

Totals

Flood Pump Reservoir Gravity ✓

Size and Capacity, Pump, etc.

Original Appropriator, Company Pioneer Ditch Co. App. No. 216

Original Appropriator, Private App. No.

Is the system an extension of another system? Yes ✗ No ✓

Is all land irrigated from one system? Yes ✓ No

(If No, show break down on map)

Source of Water Boulder River

Acres Irrigated 1950, 290 acres

Potential Acres 160 acres Seeped

Explain

Condition of System good

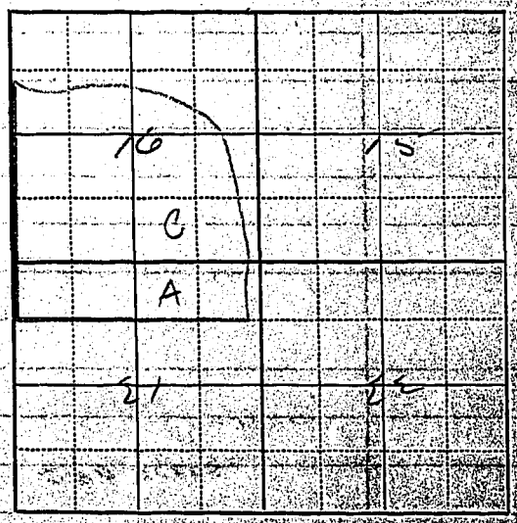
Adequate Supply Yes ✓ No

Explain

Topography River Valley & R. Bottom

Information From John Boe

Remarks Mr. Boe is Water Master of Ditch.



29

Pioneer Ditch Co.

Has 6 shares of stock. 290 acres

See Pioneer Ditch Co. form.

Form WR-B
Reporter 20188 2M 12-49

Twp. 1N Rge. 15E
Twp. ____ Rge. ____
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweet Grass
Code No. 16C-21A

Name of Land Owner John Boe Address Big Timber
Name of Operator Same Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North

Code No. 16C-21A System Pioneer Ditch Source of Water Boulder River
Basin Boulder River Present 190 Potential 140 Maximum 330 R✓ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ____ Date ____

Farm Checked

By Dave & Joe

Area Dry Creek

Date 4/19/50

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 19B, 20D, 19A, 30B

County Sw. Grant

T. 12 R. 8 Sec. 19, 20, 29, 30

Photo No. MA-17A-159

Legal Land Owner Wm. M. Clayton Address Big Timber

Operator Ray Goakey Address "

Water is delivered by:

Federal Project Pres. Pot.

188 Ditch Company Dry Creek Canal Co. Pres. Pot.

Irrigation District Pres. Pot.

Private System Private Ditch Pres. Pot.

Totals

Flood Pump Reservoir Gravity ✓ Regular

Size and Capacity, Pump, etc.

Original Appropriator, Company Dry Cr. Canal Co. App. No. 188

Original Appropriator, Private ~~Fahlgren, J. F. Hobbs~~ Canal App. No. 1, 481, 1070

Is the system an extension of another system? Yes No ✓

Is all land irrigated from one system? Yes No ✓

(If No, show break down on map)

Source of Water Boulder R; Small Hopes Cr; Hobbs Coulee, Unnamed Spring

Acres Irrigated 1950, Pli

Potential Acres Seeped

Explain

Condition of System good

Adequate Supply..... Yes ✓ No

Explain

Topography River Valley

Information From Ray Goakey

Remarks Says irrigates about 1000 acres total — also in 28

29

See Over

Dry Creek Canal Co.
Has 10 4/5 shares of stock.
See Dry Creek Canal Co. form.

Clayton Private Ditch.
Point of diversion on the east bank of Boulder River in NW, SE¼, Sec. 34 Twp. 1N - Rge 14E
Concrete structure with double wooden lift headgates. Well constructed.
Ditch 5 or 6 ft. in width, water supply adequate.

FORM D-1 - GAZETTE 1664-2M-1-47

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 10 Range 15 E County Sweet Grass

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19 B	20 D	21	22	23	24
B 30 B	A 29	28	27	26	25
31	32	33	34	35	36

Wm. W. Clayton

Township 10 Range 15

Form WR-B
Reporter 20168 2M 12-49

Twp. 1 N Rge. 15 E
Twp. 1 N Rge. 14 E
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

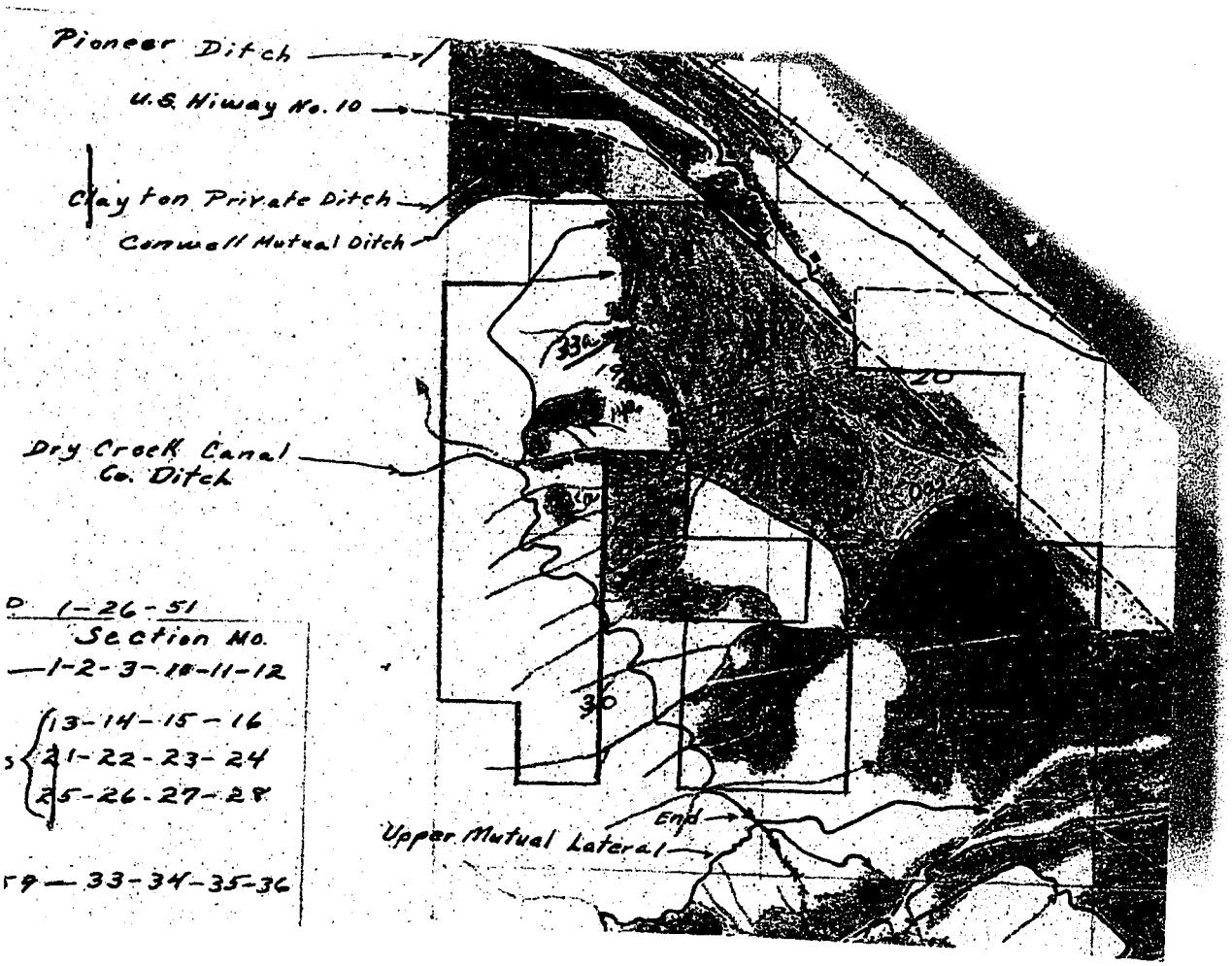
FARM MAP

County Sweet Grass
Code No. 19B-20D-29A-30B

Name of Land Owner Clayton, Wm. N. Address Big Timber
Name of Operator Ray Goakey Address " "
Legal Description

Irrigated Land | Non-Irrigated Land | Potential Land Under Existing Facilities

North



Code No. 19B-20D-29A	System Clayton Ditch	Source of Water Boulder River										
Basin Boulder River	Present 360	Potential 57	Maximum 417	R ✓	F	P	G	S				
Code No. 19B-20D-29A-30B	System Dry Creek Canal Co.	Source of Water Boulder River										
Basin Boulder River	Present 237	Potential 0	Maximum 237	R ✓	F	P	G	S				
Code No.	System	Source of Water										
Basin	Present	Potential	Maximum	R	F	P	G	S				
Code No.	System	Source of Water										
Basin	Present	Potential	Maximum	R	F	P	G	S				

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ____ Date ____

Farm Checked

FORM F-1 REPORTER IM 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

By Dave & Joe

Area Dry Creek

Date 4/20/50

Code No. 18 C

County Jefferson

T. 10 R. 1E Sec. 18

Photo No. 9A-17A-159

Legal Land Owner Geo. Cornwell Address Big Foster

Operator Address

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company Pres. Pot.

Irrigation District Pres. Pot.

179 Private System Cornwell Ditch (Mutual) Pres. Pot.

Totals

Flood Pump Reservoir Gravity ✓

Size and Capacity, Pump, etc.

Original Appropriator, Company App. No.

Original Appropriator, Private App. No. 179

Is the system an extension of another system? Yes No ✓

Is all land irrigated from one system? Yes ✓ No

(If No, show break down on map)

Source of Water Boulder River

Acres Irrigated 19 , About 70 acres

Potential Acres Seeped

Explain

Condition of System good

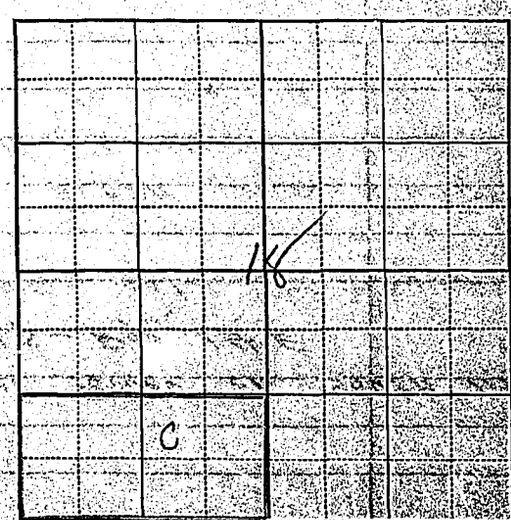
Adequate Supply..... Yes ✓ No

Explain

Topography River Valley

Information From Joe Mathes

Remarks



29 also in 28

Cornwell Ditch (Mutual)

Has 6.25 cubic feet

Ditch heads in Boulder River on south line of lot 5, Sec. 2 - Twp. 1 S - Rge. 14 E
Has concrete structure with double wooden lift headgates.
About 300 yds down ditch from headgate, has concrete gate and a wooden plank spill off to the side of ditch to spill back into river.

Form WR-B
Reporter 20168 2M 12-49

Twp. 1N Rge. 15E
Twp. 1N Rge. 14E
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweet Grass
Code No. 18C

Name of Land Owner Geo. Conwell Address Big Timber
Name of Operator Same Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North

Code No. 18C System Conwell Ditch Source of Water Boulder River
Basin Boulder River Present 64 Potential 0 Maximum 64 R ✓ F ___ P ___ G ___ S ___
Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___
Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___
Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ___ Date ___

Farm Checked

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

By Jim Bob

Code No. 40 A

County Sw. Grant

Area Big Timber Cr.

T. 1N R. 1E Sec. 10

Date April 19, 1950

Photo No. 4A-13A-160

Legal Land Owner Chas. Pravda Address Big Timber

Operator 40 Cross - Now owns Sec. 10. Address "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District ✗ _____ Pres. _____ Pot. _____

Private System ✓ _____ Pres. ✗ Pot. ?

_____ Totals _____

Flood ✓ Pump _____ Reservoir _____ Gravity ✗

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private A. J. Brown App. No. 3?2
1921 - 500 MI

Is the system an extension of another system? Yes _____ No _____

Is all land Irrigated from one system? Yes _____ No _____

(If No, show break down on map)

Source of Water Cox Creek

Acres Irrigated 1950, 10

Potential Acres ? Seeped 0

Explain _____

Condition of System ~~Good~~ Poor

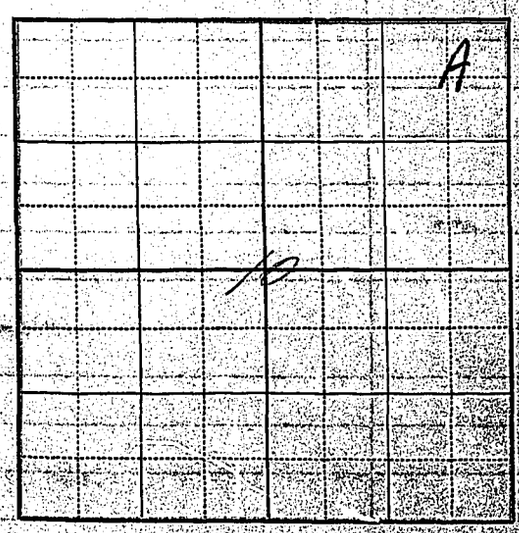
Adequate Supply..... Yes ✓ No _____

Explain _____

Topography River bottom + bench land

Information From Left on file in office

Remarks System not been in use for many years. At least 25 yrs. Has small ditch out of creek near house to irr. garden + fill 2 ft duck pond.



No tract of Detah out of Coy creek found.

Form WR-B
Reporter 20168 2M 12-49

wp. 1 N Rge. 15 E
wp. Rge.
wp. Rge.

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

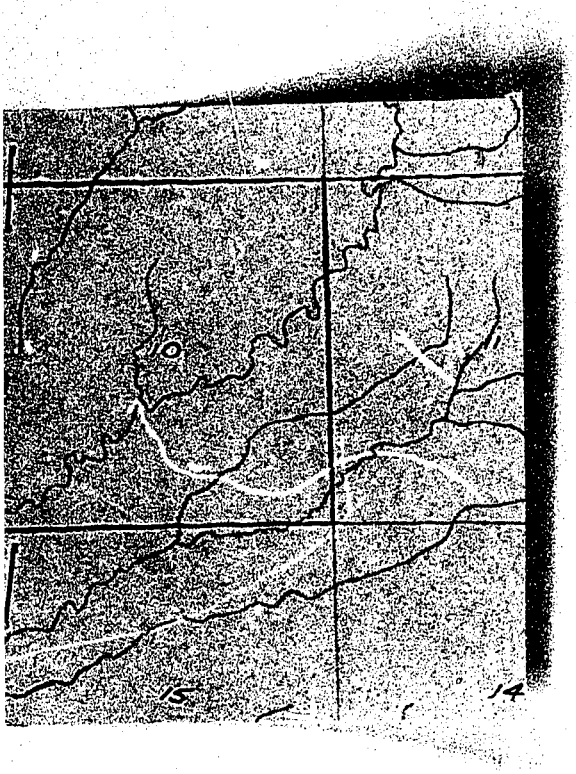
FARM MAP

County Sweet Grass
Code No. 10 A

Name of Land Owner Geo. Cross Address Big Timber
Name of Operator Same Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North



Code No. 10 A System Old Ditch Source of Water unnamed Coulee trib. to Yellowstone River
Basin Yellowstone River Present 0 Potential Less than 1 acre Maximum R F ✓ P G ✓ S

Code No. System Source of Water
Basin Present Potential Maximum R F P G S

Code No. System Source of Water
Basin Present Potential Maximum R F P G S

Code No. System Source of Water
Basin Present Potential Maximum R F P G S

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from Date

Farm Checked

By

Area

Date

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 6A

County Sou Gran.

T. 10 R. 15 Sec. 6

Photo No. MA 12A-32

Legal Land Owner Chas Dalton Address Wilsall

Operator ? Address

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company Pres. Pot.

Irrigation District Pres. Pot.

Private System Pres. Pot.

Totals

Flood Pump Reservoir Gravity

Size and Capacity, Pump, etc.

Original Appropriator, Company Ten Mile Ditch Co. App. No. 136

Original Appropriator, Private Henry Meyer App. No. 592

Is the system an extension of another system? Yes ✓ No

Is all land irrigated from one system? Yes ✓ No

(If No, show break down on map)

Source of Water Big Timber Cr.; Otter Cr.

Acres Irrigated 19

Potential Acres Seeped

Explain

Condition of System

Adequate Supply Yes ✓ No

Explain

Topography

Information From

Remarks No irrigation

A

59

Form WR-B
Report 20168 2M 12-49

Twp. 1N Rge. 15E
Twp. ____ Rge. ____
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County SW. Grass
Code No. 6A

Name of Land Owner Chas. Dalton Address Utica Ill.
Name of Operator ? Address
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ☐ Potential Land Under Existing Facilities

North

Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may
in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravi
S—Stored Water.

Information from ____ Date ____

Farm Checked

By Dave & Joe

Area Big Timber

Date 4/25/50

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 20B-21C 28D, 27B,

County Sw. Grove

T. 1N R. 15E Sec. 21, 28, 27.

Photo No. MA-13A-160 13A-159

Legal Land Owner Alfred E. Equeland Address Big Timber

Operator Geo. Matheis Address "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Pioneer Ditch Co. Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System _____ Pres. _____ Pot. _____

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ✓

~~Size and Capacity, Pump, etc.~~ Pioneer Ditch Co. 216

Original Appropriator, Company Dry Cr. Canal Co. (waste) App. No. 188 216

Original Appropriator, Private Peter J. Equeland App. No. 171, 985

F. C. Curtis, (spring) App. No. 1086,

Chas Curtis (waste)

Is the system an extension of another system? Yes _____ No _____

Is all land irrigated from one system? Yes _____ No _____

(If No, show break down on map)

Source of Water Boulder River, ; Unnamed Spring, Flood waters)

Acres Irrigated 1950

Potential Acres _____ Seeped _____

Explain _____

Condition of System good

Adequate Supply..... Yes ✓ No _____

Explain _____

Topography River Valley

Information From _____

Remarks Some of this land subby from underground springs and waste from ditches.

29

Pioneer Ditch Co.

Has 5½ shares of stock, he traded Hawks for in place of Private ditch Rights! App. No. 188.

See Ditch Co. form

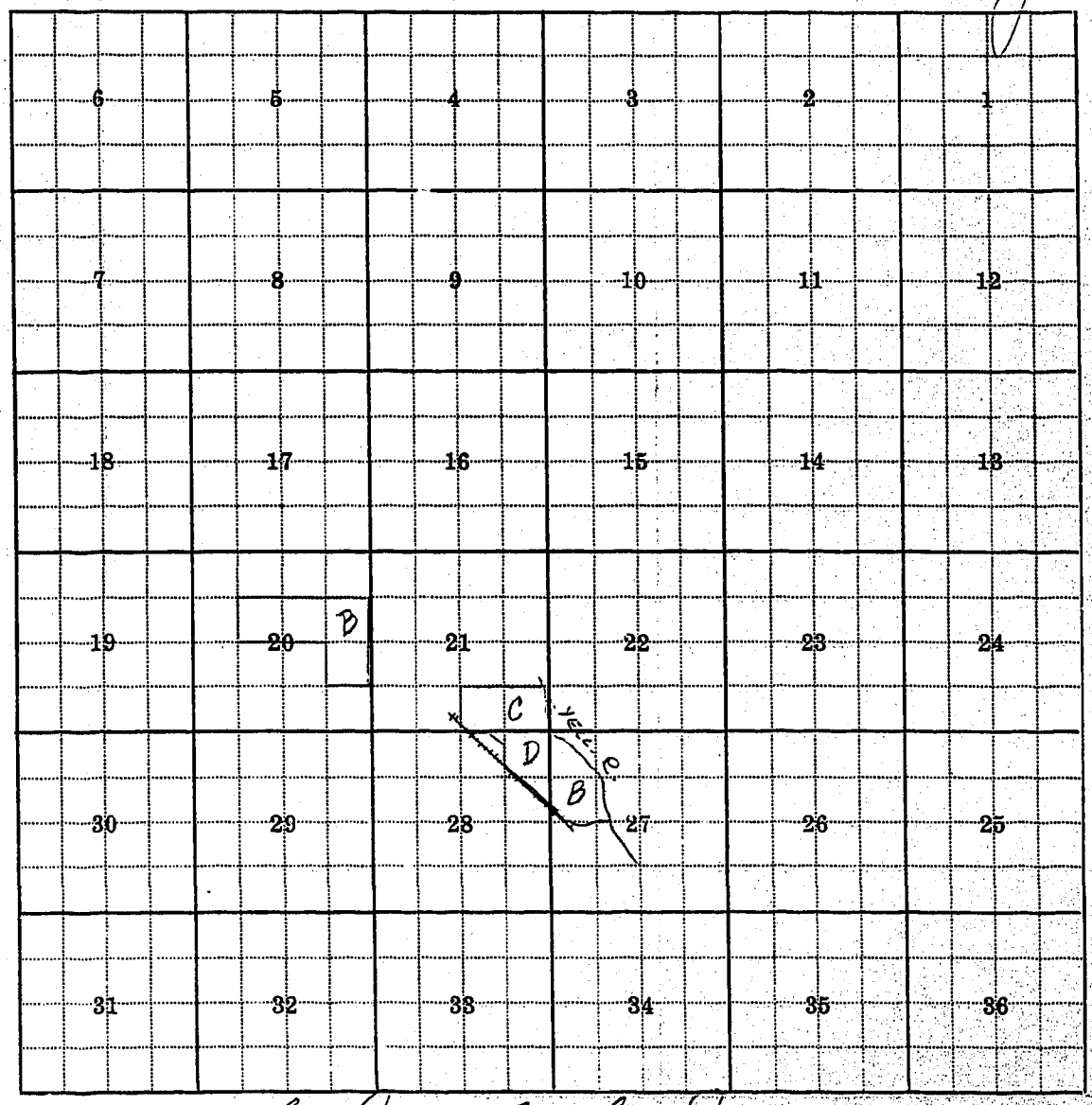
FORM D-1 - GAZETTE 1664-2M-1-47

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 10 Range 15 E County Lewis & Clark



Alfred E. Egeland

Township 10 Range 15 E

Form WR-B
Reporter 20168 2M 12-49

Twp. 1N Rge. 15E
Twp. Rge.
Twp. Rge.

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweet Grass
Code No. 20B-21C-28D-27B

Name of Land Owner Alfred E. Egeland Address Big Timber
Name of Operator Gus Mathes Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North

Code No. 21C-27B-28D System Pioneer Ditch Source of Water Boulder River
Basin Boulder River Present 130 Potential 0 Maximum 130 R✓ F P G S
Code No. System Source of Water
Basin Present Potential Maximum R F P G S
Code No. System Source of Water
Basin Present Potential Maximum R F P G S
Code No. System Source of Water
Basin Present Potential Maximum R F P G S

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from Date

FORM 1 - GAZETTE 1689-2M-1-47

Farm Checked

By Dave & Jim

Area Upper Deer Creek

Date March 28, 1950

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Code No. 35B-36C

County Sweet Grass

T. 1N R. 15E Sec. 35 & 36

Photo No. MA-13A-159

Legal Land Owner Leonard Esp Address Big Timber

Operator Same Address

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company Dry Creek Canal Co. 4 Shares Pres. 505 - part in 13 15E Pot.

Irrigation District Pres. Pot.

Private System ✓ Upper Deer Creek System Carries Dry Cr. Canal water Pres. Pot.

Totals

Flood ✓ Deer Cr. Pump Reservoir Gravity ✓

Size and Capacity, Pump, etc.

Original Appropriator, Company App. No.

Original Appropriator, Private Robert Jackson App. No. 357

Is the system an extension of another system? Yes ✓ No

Is all land irrigated from one system? Yes No ✓

(If No, show break down on map)

Source of Water Boulder River & Upper Deer Creek

Acres Irrigated 1950 505 (part in Secs 1 & 2 T13 R15E)

Potential Acres Seeped

Explain

Condition of System Good

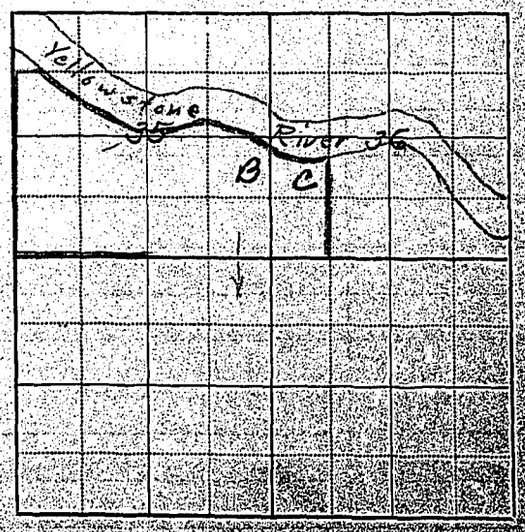
Adequate Supply Yes ✓ No

Explain Leonard Esp

Topography Valley bottom

Information From Leonard Esp

Remarks See also File No. 35



29

Form WR-B
Reporter 20168 3M 12-49

Twp. 1N Rge. 15E
Twp. 1S Rge. 15E
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

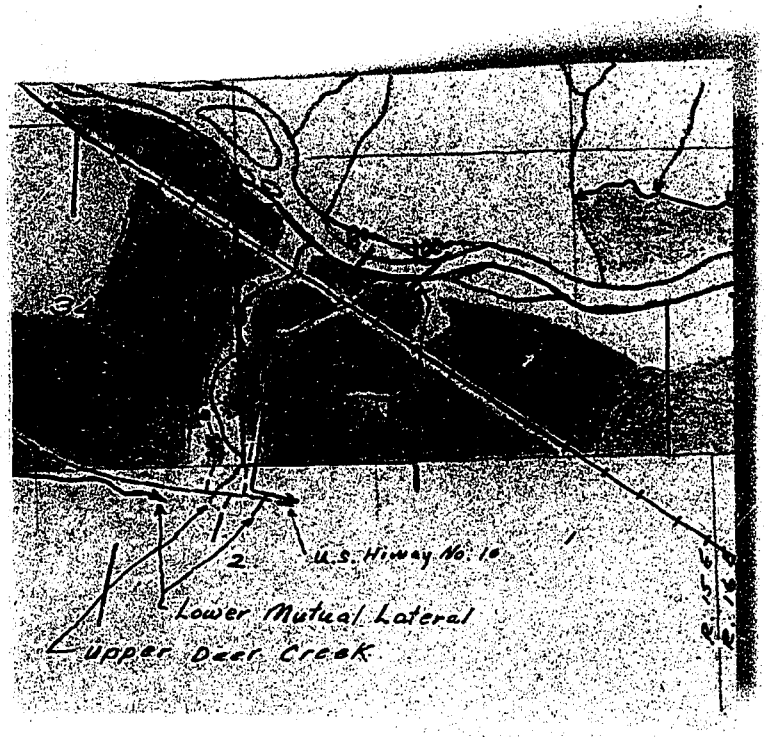
FARM MAP

County Sweet Grass
Code No. 35B - 36C

Name of Land Owner Leonard Esp Address Big Timber
Name of Operator Same Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North



Code No. 35B - 36 C System Lower Mutual Dry cr. C Co Source of Water Boulder River
Basin Boulder River Present 289 Potential 25 Maximum 314 R✓ F ___ P ___ G ___ S ___

Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ___ Date ___

Farm Checked

By Dave & Joe

Area Dry Creek

Date 4/19/50

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 29 C.

County Sw. Jwan

T. 10 R. 15 Sec. 29

Photo No. MA-MA-159

Legal Land Owner J. L. Faw Address Big Timber

Operator " Address "

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company 188 Dry Cr. Canal Co. Pres. Pot.

Irrigation District Pres. Pot.

Private System Pres. Pot.

Totals

Flood Pump Reservoir Gravity ✓

Size and Capacity, Pump, etc.

Original Appropriator, Company Dry Cr. Canal Co. App. No. 188

Original Appropriator, Private Carl Falgnen, J. C. Hobbs App. No. 481, 1010, 1022

W. J. Knapp.

Is the system an extension of another system? Yes No ✓

Is all land irrigated from one system? Yes ✓ No

(If No, show break down on map)

Source of Water Baulden R., Hobbs Creek, Hammond Spring

Acres Irrigated 19 about 200 acres

Potential Acres Seeped

Explain

Condition of System good

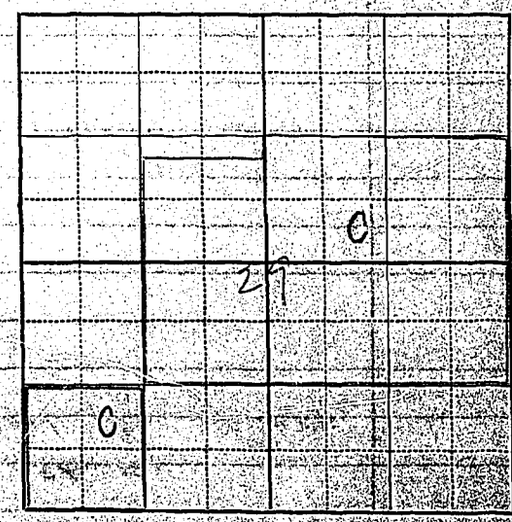
Adequate Supply Yes ✓ No

Explain

Topography River Valley

Information From J. L. Faw

Remarks



29

Dry Cr. Canal Co.
Has 13 2/3 shares of stock.
See Dry Creek Canal Co. form.

Form WR-B
Reporter 20168 2M 12-49

Twp. 1 N Rge. 15 E
Twp. _____ Rge. _____
Twp. _____ Rge. _____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweet Grass
Code No. 29 C

Name of Land Owner J. L. Faw Address Big Timber
Name of Operator Same Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North

Code No. 29 C System Dry Creek Canal Co. Source of Water Boulder River
Basin Boulder River Present 177 Potential 0 Maximum 177 R ✓ F ___ P ___ G ___ S ___
Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___
Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___
Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ___ Date ___

Farm Checked

By Jim & Bob

Area Otter Cr.

Date April 18, 1950

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 6 C.

County Sw. Grass

T. 1N R. 15E Sec. 6

Photo No. 11A-12A-2L

Legal Land Owner Lowell C. Gibson Address Big Timber

Operator " " " Address " "

Water is delivered by:

Federal Project ____ Pres. ____ Pot. ____

Ditch Company ____ Pres. ____ Pot. ____

Irrigation District ____ Pres. ____ Pot. ____

Private System ✓ 2 ditches, 1 from B.T. Creek Rudd Mutual, 1 from Otter Creek Pres. ____ Pot. ____

Totals ____

Flood ____ Pump ____ Reservoir ____ Gravity ✓

Size and Capacity, Pump, etc. ____

Original Appropriator, Company Ten Mile Ditch Co. App. No. 13C

Original Appropriator, Private Alfred Rudd; Henry Mayer; E.M. Bailey App. No. 128, 592, 598, D-110; 1051, 624

Is the system an extension of another system? Yes ✓ No ____

Is all land irrigated from one system? Yes ____ No ✓

(If No, show break down on map)

Source of Water Big Timber Cr.; Otter Cr.; Unnamed Springs; Ranstad Cr.

Acres Irrigated 1950 225.0 ac. approx.

Potential Acres ? Seeped 0

Explain ____

Condition of System Good

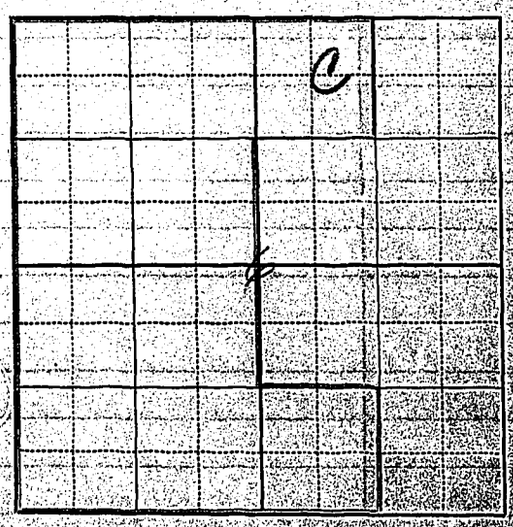
Adequate Supply..... Yes ✓ No ____

Explain ____

Topography Creek bottom + bench land

Information From L.C. Gibson

Remarks 200' from Otter Cr.



29

Form WR-B
Reporter 20168 2M 12-49

Twp. 1N Rge. 15E
Twp. ____ Rge. ____
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

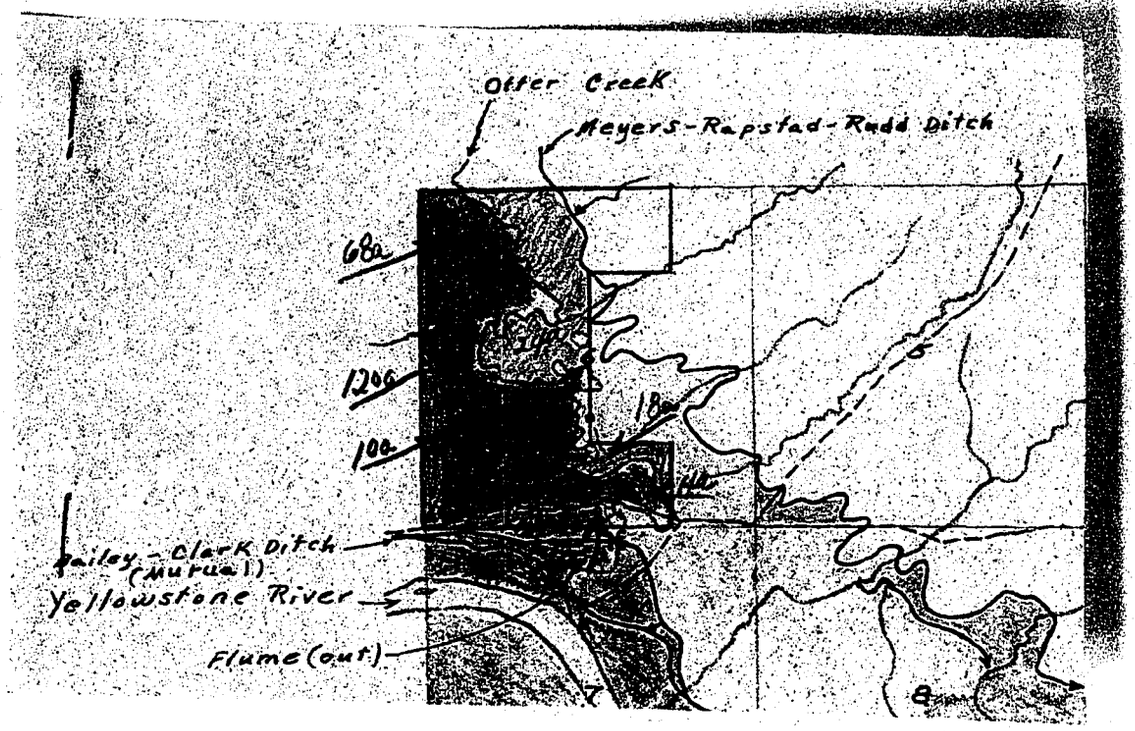
FARM MAP

County Sweet Grass
Code No. 6C

Name of Land Owner L. C. Gibson Address Big Timber
Name of Operator Same Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North



Code No. 6C	System Rudd-Ditch				Source of Water Big timber Creek						
Basin Big timber Cr.	Present 188	Potential 26	Maximum 214	R ✓	F	P	G	S			
Code No. 6C	System Meyers-Rapstad-Rudd Ditch				Source of Water Otter Creek						
Basin Otter Creek	Present 80	Potential 0	Maximum 80	R ✓	F	P	G	S			
Code No.	System				Source of Water						
Basin	Present	Potential	Maximum	R	F	P	G	S			
Code No.	System				Source of Water						
Basin	Present	Potential	Maximum	R	F	P	G	S			

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ____ Date ____

Farm Checked

By Dave & Joe

Area Big Timber

Date 4/26/50

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 21 B

County Sw. Gran

T. 1N R. 15 Sec. 21

Photo No. MA-13A-160

Legal Land Owner James M. Hammersmark Address Big Timber

Operator _____ Address _____

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Pioneer Ditch Co. Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System _____ Pres. _____ Pot. _____

_____ Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ✓

Size and Capacity, Pump, etc. _____

Original Appropriator, Company Pioneer Ditch Co. App. No. 216

Original Appropriator, Private Peter J. Eggland App. No. 191

Is the system an extension of another system? Yes _____ No ✓

Is all land irrigated from one system? Yes ✓ No _____

(If No, show break down on map)

Source of Water Boulder R.

Acres Irrigated 1950 105 acres

Potential Acres [redacted] Seeped about 40 acres

Explain _____

Condition of System good

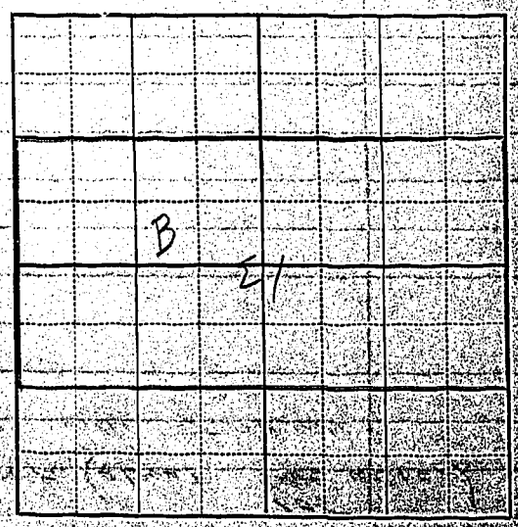
Adequate Supply Yes ✓ No _____

Explain _____

Topography River Bottom

Information From Mr. Hammersmark

Remarks _____



29

Pioneer Ditch Co.

Has 12 shares of stock (about ~~160~~ 105 acres)

See Pioneer Ditch Co. Form.

Form WR-B
Reporter 20168 2M 12-49

Twp. 1 N Rge. 15 E
Twp. ____ Rge. ____
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweet Grass
Code No. 21 B

Name of Land Owner Tunes M. Hammersmark Address Big Timber
Name of Operator Same Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North

Code No. 21 B System Pioneer Ditch Source of Water Boulder River
Basin Boulder River Present 130 Potential 0 Maximum 130 R ✓ F P G S

Code No. System Source of Water
Basin Present Potential Maximum R F P G S

Code No. System Source of Water
Basin Present Potential Maximum R F P G S

Code No. System Source of Water
Basin Present Potential Maximum R F P G S

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from Date

Farm Checked

FORM F-1 REPORTER 1M 3-49 17360

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

By Dave + Jim

Area Deer Cr.

Date March 29, 1950

Code No. 36 B.

County Jeff. Gallatin

T. 1N R. 1E Sec. 36

Photo No. 4A-13A-159

Legal Land Owner Carrie Harrison Address Gray Cliff

Operator Phil Elgen Address " "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System 2 ditches from same dam, one on each side of Creek Pres. _____ Pot. _____

Totals _____

Flood ✓ Pump _____ Reservoir _____ Gravity ✓

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private Jeanette Kitosh & Louis Walter App. No. 357 D-159

Is the system an extension of another system? Yes _____ No ✓

Is all land irrigated from one system? Yes ✓ No _____

(If No, show break down on map)

Source of Water Lower Deer Cr.

Acres Irrigated 1950 _____

Potential Acres _____ Seeped _____

Explain _____

Condition of System Good

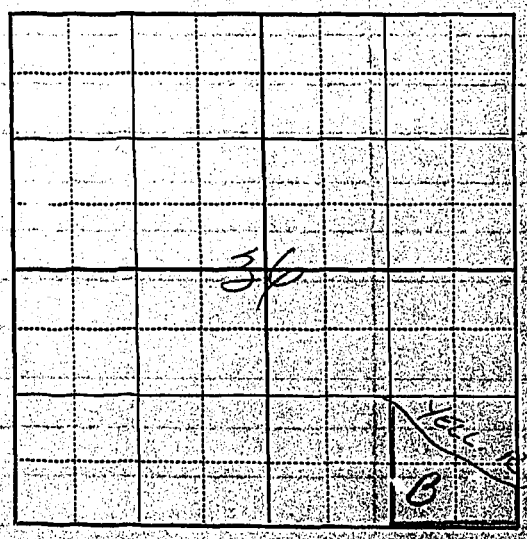
Adequate Supply..... Yes _____ No ✓

Explain Creek goes dry during Summer

Topography Creek + River Bottom

Information From Phillip Elgen

Remarks 2nd right on Creek (Decreed)



59

Form WR-B
Reporter 20168 2M 12-49

Twp. 1N Rge. 15E
Twp. ____ Rge. ____
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

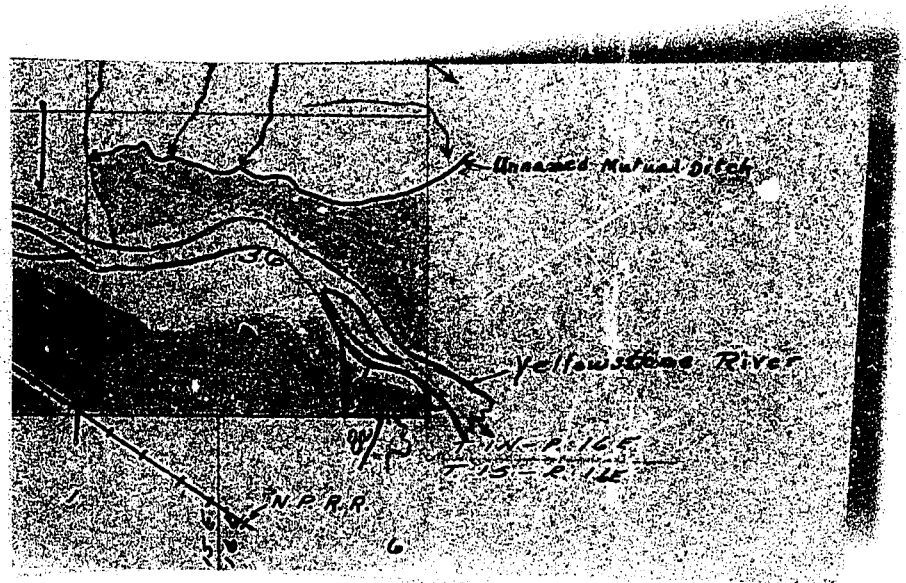
FARM MAP

County Sweet Grass
Code No. 36 B

Name of Land Owner Carrie Harrison Address Grey Cliff
Name of Operator Phillip Eigen Address
Legal Description

Irrigated Land Non-Irrigated Land Potential Land Under Existing Facilities

North



Code No. 36 B System Frost Ditch Source of Water Upper Deer Cr.
Basin Yellowstone Present 4 Potential 0 Maximum 4 R ✓ F ___ P ___ G ___ S ___

Code No. 36 B System Harrison Ditch Source of Water Upper Deer Cr.
Basin Yellowstone Present 8 Potential 0 Maximum 8 R ✓ F ___ P ___ G ___ S ___

Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ____ Date ____

Farm Checked

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

By Dave & Joe

Area Big Timber

Date 4/25/50

Code No. 7B-18A2-17A1-20B

County Sweet Grass

T. 1 N R. 15E Sec.

Photo No. MA-12A-22 MA-17A-159

Legal Land Owner Harold Hawks Address Colo. Spgs. Colo.

Operator Teddy Thompson Address Big Timber

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company Pioneer Ditch Co. Pres. 200 ac. Pot. 0

Irrigation District Pres. Pot.

Private System Private Ditch Pres. 0 Pot. 250 acres

Totals

Flood Pump Reservoir Gravity ✓

Size and Capacity, Pump, etc.

Original Appropriator, Company Pioneer Ditch Co. App. No. 216

Original Appropriator, Private Alex & Jas. Dundas App. No. 189

Is the system an extension of another system? Yes No ✓

Is all land irrigated from one system? Yes ✓ No

(If No, show break down on map)

Source of Water Boulder River

Acres Irrigated 19___, About 200 acres

Potential Acres About 250 ac. Seeped

Explain

Condition of System good

Adequate Supply..... Yes ✓ No

Explain

Topography River Valley & R. Bottom

Information From Teddy Thompson

Remarks Private ditch (Not in use since 1943)

Also in 28

29

Pioneer Ditch Co.
Has 12 shares of stock.
See Pioneer Ditch Co. form.

Private Ditch: (Not in use since 1943)
Headed in Boulder River south of N.P.R.R. bridge in Sec. 13 - Twp. 1N - Rge 14E
Had a flume around abutment of bridge
flume (out)
He said Railroad would not install culbert, so he might convey water that way.
Said he had written superintendent of division.
Said by putting headgate below R.R. bridge it would be to low to reach desired land.
Which would be about 250 acres of his best land.

Farm Checked

By Dave & Joe

Area Big Timber

Date 4/25/50

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 7B, 18A, 17A, 20A, 19A, C

County Sw. Grant

T. 1N R. 1 E Sec. 7, 17, 18, 19, 20

Photo No. ~~14A 17A 159~~ 14A-18A-22

Legal Land Owner Harold Hawks Address Big Timber Mon

Operator Teddy Thompson Address "

Water is delivered by: ~~Ben Stein~~

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Pioneer Ditch Co. (about Pres. 200 acres Pot. 0

Irrigation ~~District~~ " " " ~~Ben Stein~~ Pres. ~~160 ac.~~ Pot. _____

Private System Private Ditch Pres. 0 Pot. 250 acres

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ✓

Size and Capacity, Pump, etc. ~~Big Timber Canal Co.~~

Original Appropriator, Company ~~Yellowstone Ditch Co.~~ App. No. 216 ~~136~~, ~~148~~

Original Appropriator, Private ~~C. J. Brown~~; Alex & Jas. Dunbar; ~~84~~, 189, ~~[illegible]~~; ~~Ed. Bailey~~; ~~Rhel Phillipson~~; ~~Ed. D. Cornwell~~ App. No. ~~[illegible]~~, ~~[illegible]~~, ~~[illegible]~~

Is the system an extension of another system? Yes _____ No _____

Is all land irrigated from one system? Yes _____ No _____

(If No, show break down on map)

Source of Water Big Timber Creek; Boulder R. ~~Smith~~ ~~Flanigan Cr.~~ ~~160 acres (Stein)~~

Acres Irrigated 19____, 200 acres

Potential Acres 250 acres Seeped _____

Explain _____

Condition of System good

Adequate Supply..... Yes ✓ No _____

Explain _____

Topography River Valley & R. Bottom.

Information From Teddy Thompson

Remarks _____

29 also in (28)

Pioneer Ditch Co.

Hawks } Has 12 shares of stock - Teddy Thompson (acres 200)
Has 9 shares of stock - Ben Stein (160 acres)
See Pioneer Ditch Co. form.

Private Ditch: (Not in use since 1943)
Flume out
Railroad will not install culbert to convey his water.
And a new headgate below R.R. bridge would not be practical, as it would be too low to cover desired land, which would be about 250 acres of his best land.

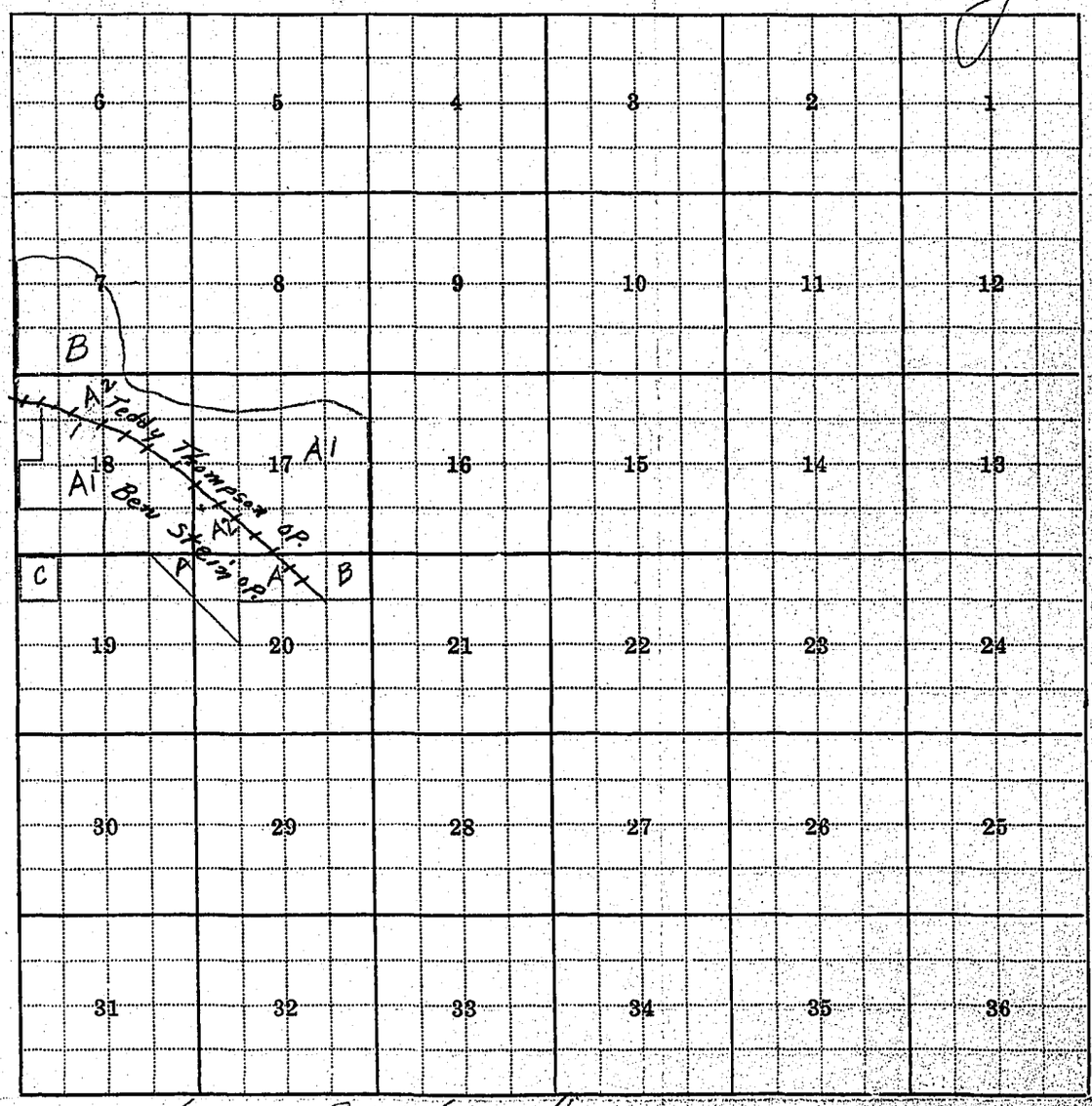
FORM D-1 - GAZETTE 1864-2M-1-47

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 1N Range 15E County Sweet Grass



Harold Hawks

Township 1N Range 15E

Farm Checked

By Dave & Joe

Area Big Timber

Date 4/25/50

FORM F-1 REPORTF M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 17A2-18A1-19C-19A 20A

County Sweet Grass

T. 1N R. 15E Sec.

Photo No. MA-12A-22 MA-17A-159

Legal Land Owner Harold Hawks Address Colo. Spgs. Colo.

Operator Ben Stein Address Big Timber

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company Pioneer Ditch Co. Pres. Pot.

Irrigation District Pres. Pot.

Private System Conwell Ditch (Mutual) Pres. Pot.

Totals

Flood Pump Reservoir Gravity ✓ Regular

Size and Capacity, Pump, etc.

Original Appropriator, Company Pioneer Ditch Co. App. No. 216

Original Appropriator, Private App. No.

Is the system an extension of another system? Yes No ✓

Is all land irrigated from one system? Yes No ✓

(If No, show break down on map)

Source of Water Boulder River

Acres Irrigated 19

Potential Acres Seeped

Explain

Condition of System good

Adequate Supply Yes ✓ No

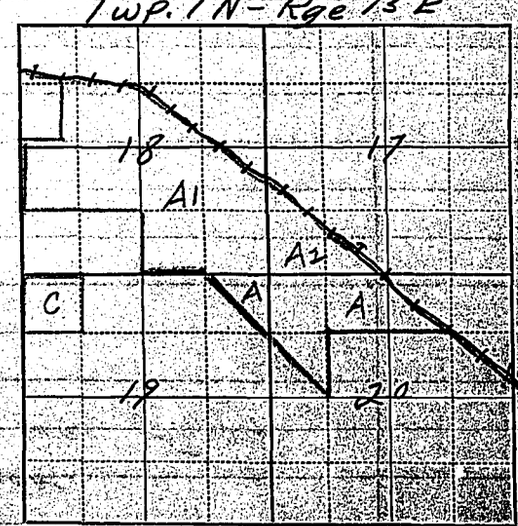
Explain

Topography River Valley

Information From Ben Stein

Remarks Said he thought he had use of Hawks right in Conwell ditch.

Twp. 1N - Rge. 15E



29

Pioneer Ditch Co:
Has 10 shares of stock.
See Pioneer Ditch Co. Form.

Form WR-B
Reporter 20168 2M 12-49

Twp. 1 N Rge. 13 E
Twp. 1 N Rge. 14 E
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

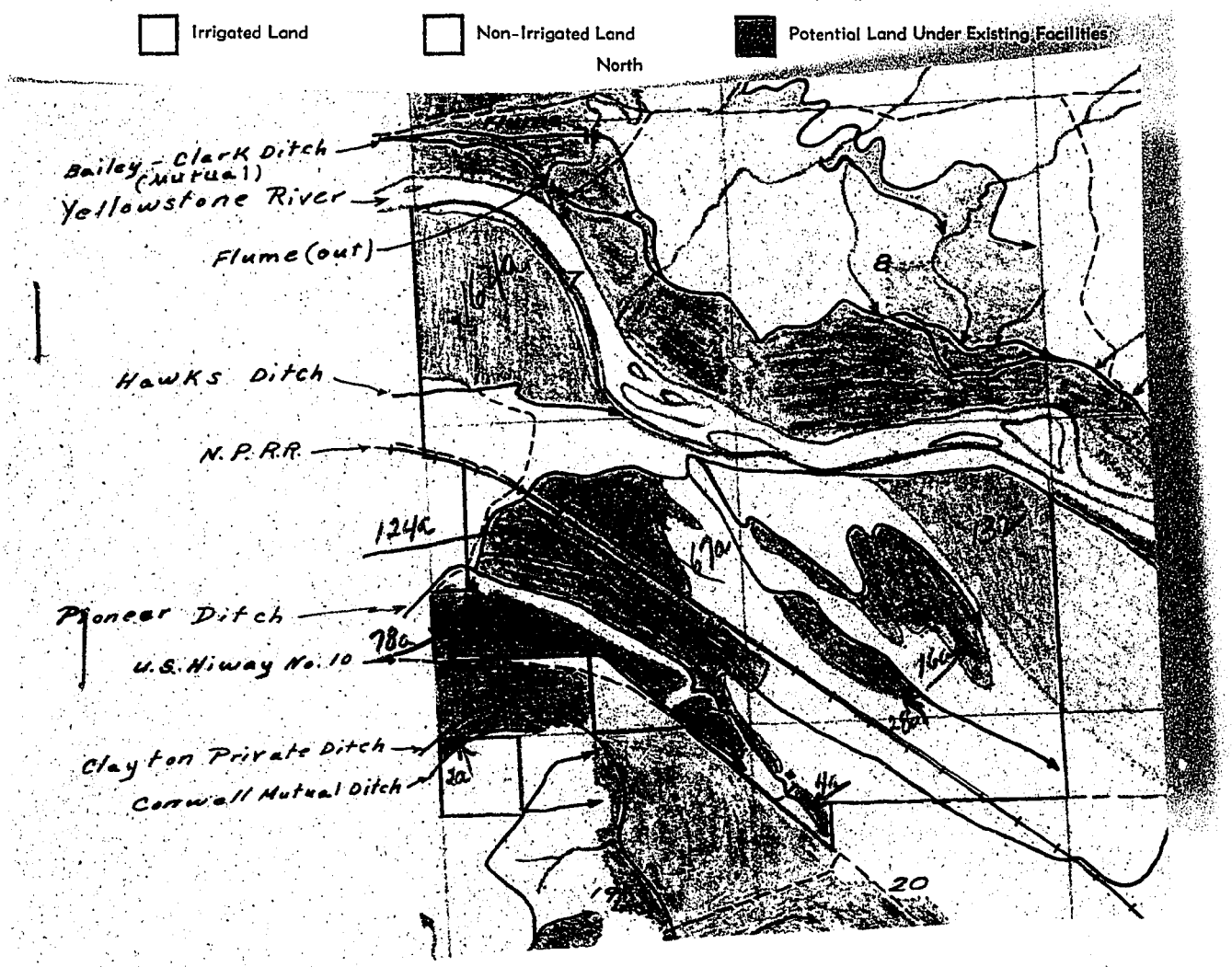
FARM MAP

County Sweet Grass
Code No. 7B - 18A2 -
17A1 - 20B - 17A2
18A1 - 19C - 19A - 20A

Name of Land Owner Harold Hawks Address Colorado Spgs. Colo.
Name of Operator Teddy Thompson - Ben STRIN Address Big Timber
Legal Description

Irrigated Land | Non-Irrigated Land | Potential Land Under Existing Facilities

North



Code No. 7B	System Hawks Ditch	Source of Water Boulder River									
Basin Boulder River	Present 0	Potential 164	Maximum 164	R✓	F	P	G	S			
Code No. 18A - 17A - 20A - 19A	System Pioneer Ditch	Source of Water Boulder River									
Basin Boulder River	Present 299	Potential 132	Maximum 431	R✓	F	P	G	S			
Code No. 18A - 19C - 19A	System Cornwell Ditch	Source of Water Boulder River									
Basin Boulder River	Present 80	Potential 0	Maximum 80	R✓	F	P	G	S			
Code No.	System	Source of Water									
Basin	Present	Potential	Maximum	R	F	P	G	S			

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ____ Date ____

Also in T. 1N R. 14E #28

Farm Checked by Bob & Jim

Contacted By Dave & Joe.

FORM F-1 REPORTER 1M 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 4A-5A-6B

County Sweet Grass

Area Otter Creek

T. 1 N R. 15 E Sec. 4 5 6

Date

Photo No. MA-12A-23

Legal Land Owner Sold to Thorvald Gunderson & Thomas Haveland

Address Big Timber

Operator Same

Address " "

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company Pres. Pot.

Irrigation District Pres. Pot.

~~Private System~~ Meyers-Rapstad-Rudd Ditch Pres. Pot.

Totals

Flood Pump Reservoir Gravity ✓ Regular Irr.

Size and Capacity, Pump, etc.

Original Appropriator, Company App. No.

Original Appropriator, Private App. No.

Is the system an extension of another system? Yes No ✓

Is all land irrigated from one system? Yes ✓ No

(If No, show break down on map)

Source of Water Otter Creek

Acres Irrigated 19 About 88 acres

Potential Acres 12 Seeped

Explain By Leveling

Condition of System Good

Adequate Supply Yes ✓ No

Explain Says there is plenty water.

Topography

Information From Tom Haveland

Remarks

29

Otter Creek:
Has 250 M.T.

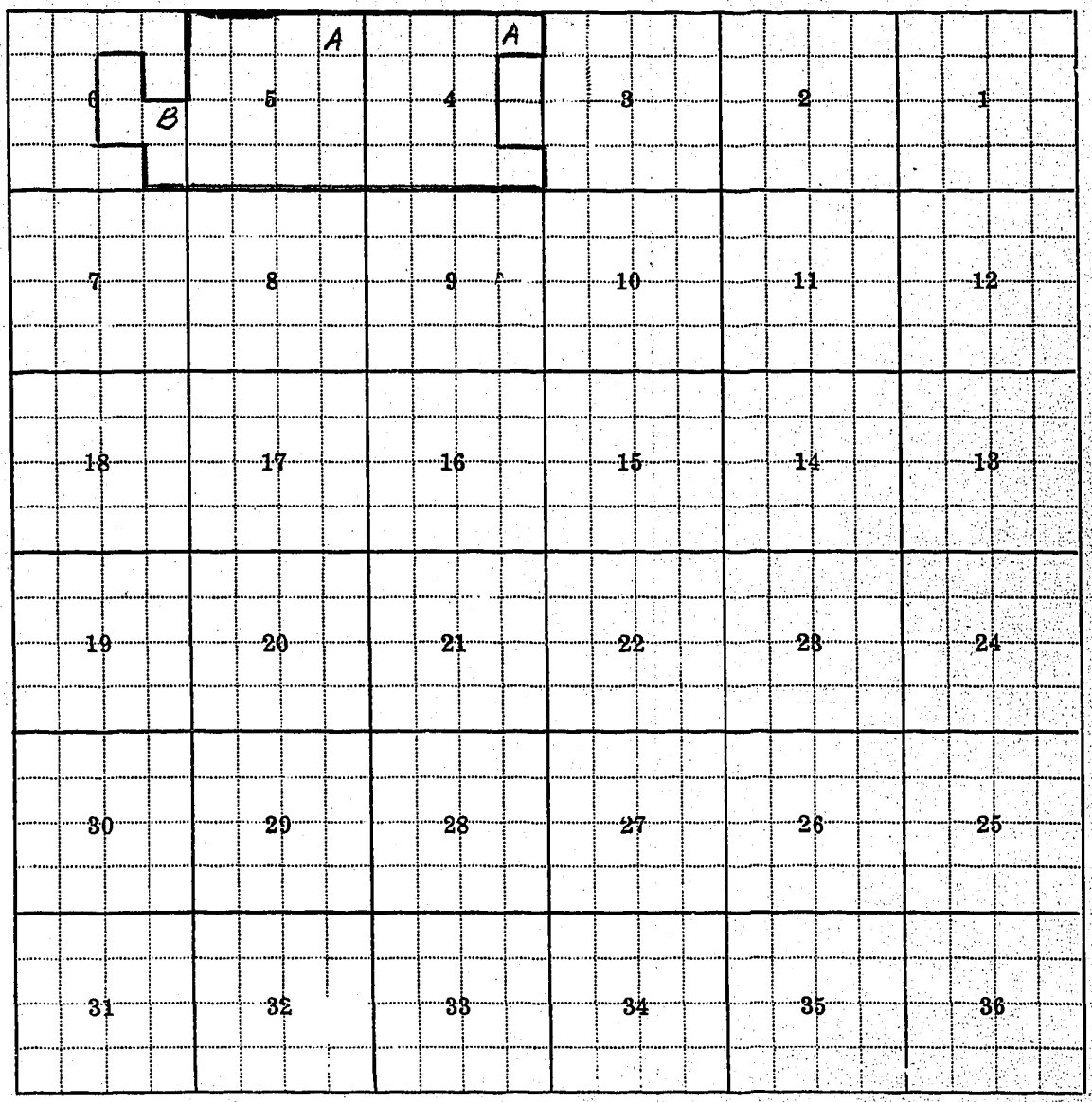
FORM D-1 • GAZETTE 1664-2M-1-47

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township..... Range..... County.....



Township 11N Range 15E

Farm Checked

FORM F-1 REPORTER 1M 3-49 17390

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

By

Area

Date

Code No. 4A 5A6B

County Sw. Grass

T. 1N R. 8E Sec. 4, 5, 6

Photo No. MA-1-A-22

Legal Land Owner Tom Holvaad ~~Haswald Jensen~~ Address Big Timber

Operator Haswald Shipton Address "

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company Pres. Pot.

Irrigation District Pres. Pot.

Private System Pres. Pot.

Totals

Flood Pump Reservoir Gravity

Size and Capacity, Pump, etc.

Original Appropriator, Company Ten Mile Ditch Co. App. No. 136

Original Appropriator, Private E. D. Crandall; Henry Meyer App. No. 677, 572, 534, 593,

Is the system an extension of another system? Yes No

Is all land irrigated from one system? Yes No

(If No, show break down on map)

Source of Water Big Timber Cr; Spring Cr; Otter Cr.

Acres Irrigated 19

Potential Acres Seeped

Explain

Condition of System

Adequate Supply..... Yes No

Explain

Topography

Information From

Remarks

29

FORM D-1 - GAZETTE 1664-2M-1-47

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 1N Range 15E County Sweet Grass

6 B	5 A	4 A	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Thorvald G. Gunderson

Township 1N Range 15E

Form WR-B
Reporter 20168 2M 12-49

Twp. 1N Rge. 15E
Twp. 1N Rge. 14E
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

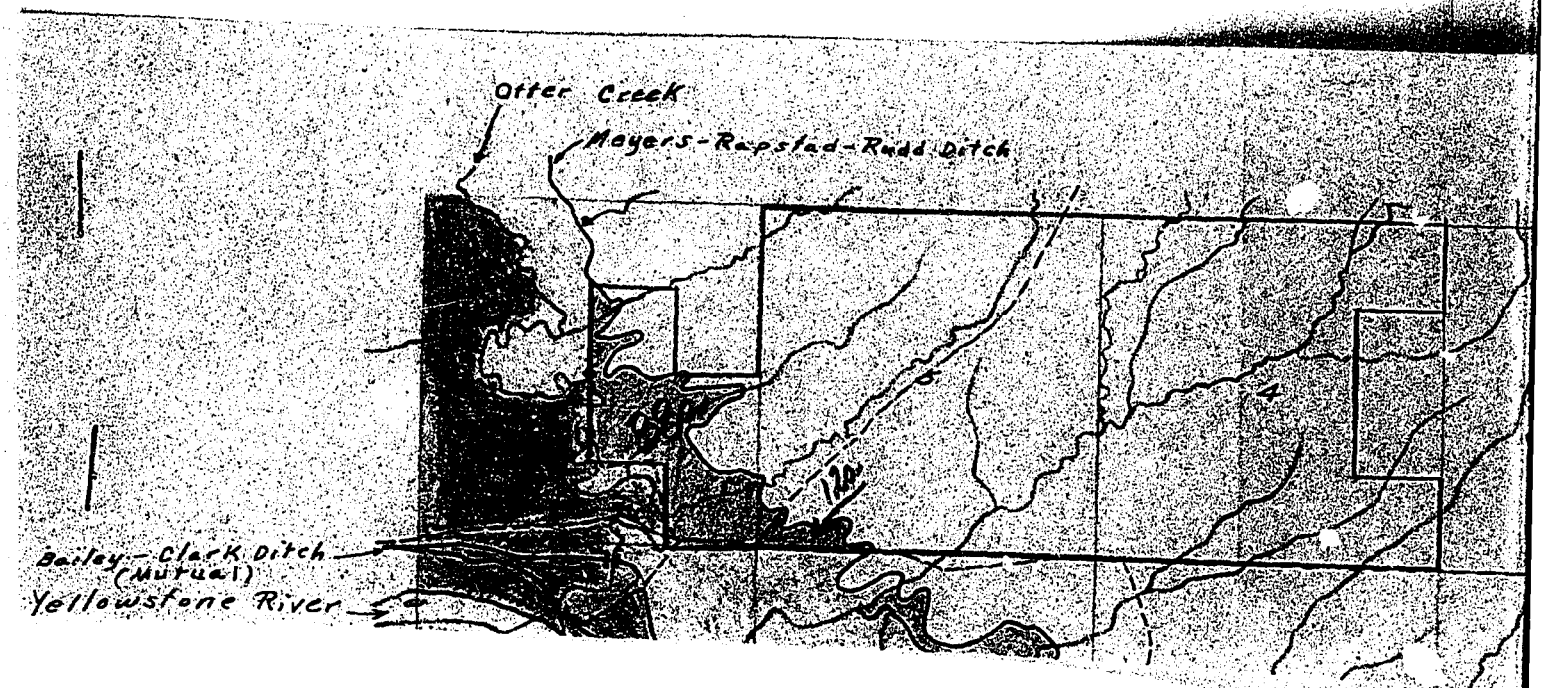
FARM MAP

County Sweet Grass
Code No. 4A-5A-6B

Name of Land Owner Thomas Haveland Address Big Timber
Name of Operator Same Address " "
Legal Description

Irrigated Land | Non-Irrigated Land | Potential Land Under Existing Facilities

North



Code No. 6B-5A System Meyers-Repstad Rudd Ditch Source of Water Otter Creek
Basin Otter Creek Present 88 Potential 12 Maximum 100 R ✓ F ___ P ___ G ___ S ___

Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

Code No. ___ System ___ Source of Water ___
Basin ___ Present ___ Potential ___ Maximum ___ R ___ F ___ P ___ G ___ S ___

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system.

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ___ Date ___

Farm Checked

By Dave & Joe

Area Dry Creek

Date 4/19/50

FORM F-1 REPORTER IM 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 19D, 29B, 30A

County Cascade

T. 20 R. 1E Sec. 19, 29, 30

Photo No. MA-17A-189

Legal Land Owner Everett Jones & Address Big Timber

Operator Jessie Jones Address "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

188 Ditch Company Dry Creek Canal Co. Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System _____ Pres. _____ Pot. _____

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ✓

Size and Capacity, Pump, etc. _____

Original Appropriator, Company Dry Cr. Canal Co App. No. 188

Original Appropriator, Private Carl Jalgnes App. No. 481

Is the system an extension of another system? Yes _____ No ✓

Is all land irrigated from one system? Yes ✓ No _____

(If No, show break down on map)

Source of Water Boulder R; Hobbs Coulee

Acres Irrigated 1950, About 100 acres

Potential Acres _____ Seeped _____

Explain _____

Condition of System good

Adequate Supply ..... Yes ✓ No _____

Explain _____

Topography River Valley

Information From Field Survey

Remarks _____

		19				20	
		D					
		EVERETT		B			
		30 A				29	
	JESSIE						

29

Dry Creek Canal Co.
Has 4 shares of stock.
See Dry Creek Canal Co. Form.

Form WR-B
Reporter 20168 2M 12-49

Twp. 1N Rge. 15E
Twp. ____ Rge. ____
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

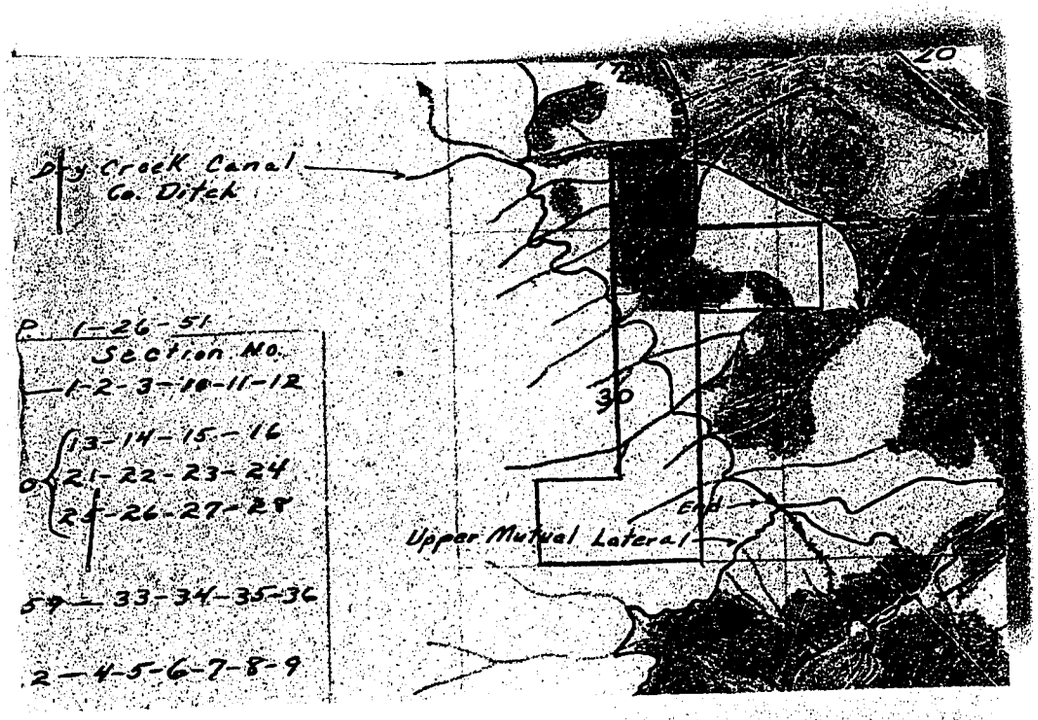
FARM MAP

County Sweet Grass
Code No. 19D-29B-30A

Name of Land Owner Jones, Everett & Jessie Address Big Timber
Name of Operator Same Address " "
Legal Description

☐ Irrigated Land ☐ Non-Irrigated Land ■ Potential Land Under Existing Facilities

North



Code No. 19D-30A-29B System Dry Creek Canal Co. Source of Water Boulder River
Basin Boulder River Present 84 Potential 0 Maximum 84 R ✓ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____
Code No. ____ System ____ Source of Water ____
Basin ____ Present ____ Potential ____ Maximum ____ R ____ F ____ P ____ G ____ S ____

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from ____ Date ____

FORM F-1 - GAZETTE 1565-2M-1-47

Farm Checked

By

Area

Date

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Code No. 16A, 36D

County Sweet Grass

T. 1N R. 15E Sec. 16, 36

Photo No.

Legal Land Owner Montana, State of Address

Operator " " Address

Water is delivered by:

Federal Project Pres. Pot.

Ditch Company Dry Creek Canal Co. Pres. Pot.

~~Irrigation District~~ Frost Ditch Pres. Pot.

~~Private System~~ Bailey-Clark Ditch Pres. Pot.

Totals

Flood Pump Reservoir Gravity

Size and Capacity, Pump, etc.

Original Appropriator, Company App. No.

Original Appropriator, Private App. No.

Is the system an extension of another system? Yes No

Is all land irrigated from one system? Yes No

(If No, show break down on map)

Source of Water Boulder River, upper Deer Cr., Big timber Cr.

Acres Irrigated 19

Potential Acres Seeped

Explain

Condition of System

Adequate Supply Yes No

Explain

Topography

Information From

Remarks

FORM D-1—REPORTER PRTG.—1M 7-50—22122 STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 1N Range 15E County Sw. Grass

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16 A	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36 D

Township _____ Range _____

Form WR-B
Reporter 20168 2M 12-49

Twp. 1N Rge. 15E
Twp. _____ Rge. _____
Twp. _____ Rge. _____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

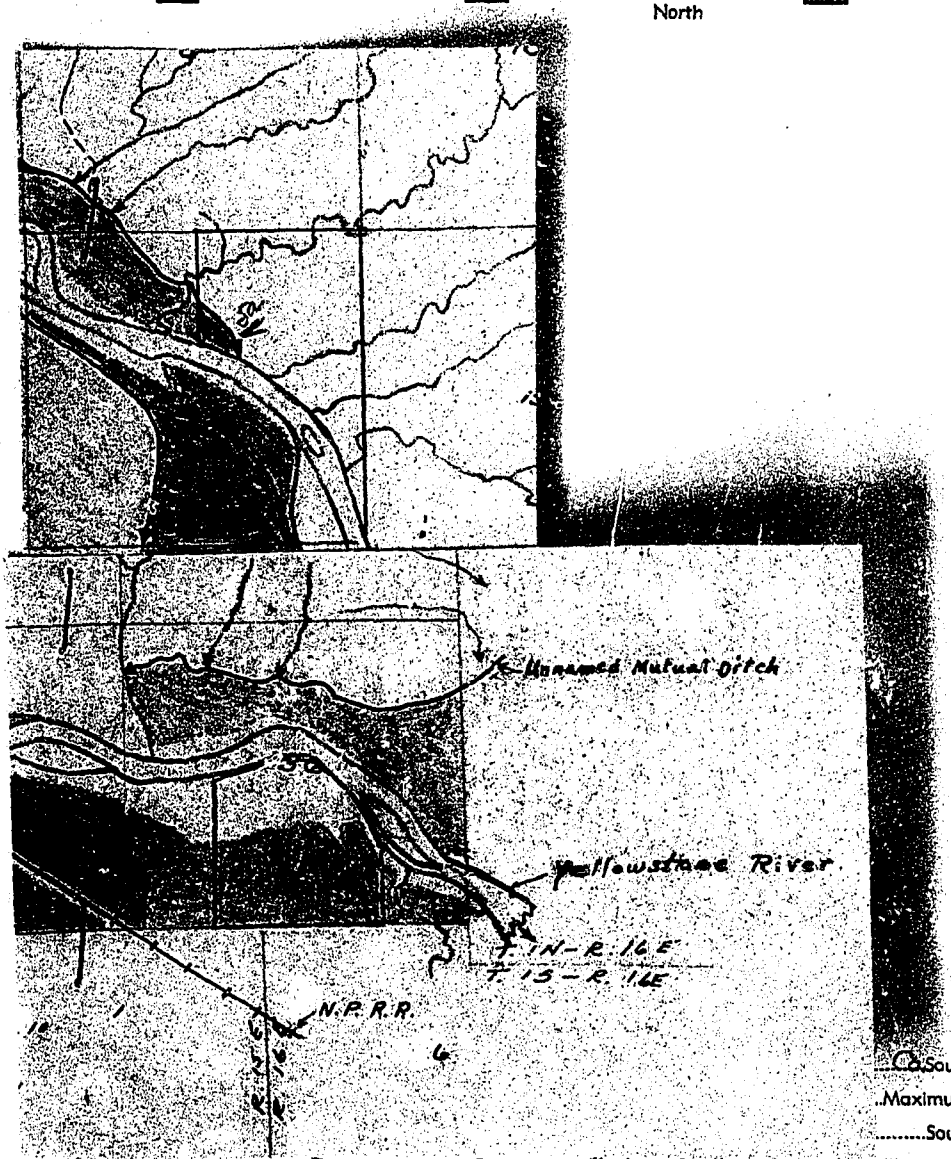
FARM MAP

County Sw. Grass
Code No. 16A, 36D

Name of Land Owner Montana, State of Address
Name of Operator Address
Legal Description

Irrigated Land | Non-Irrigated Land | Potential Land Under Existing Facilities

North



Source of Water Boulder River
Maximum 40 R ✓ F P G S
Source of Water upper Deer Cr

Basin Yellowstone Present 4.6 Potential — Maximum 42 R ✓ F P G S
Code No. 16A System Bailey - Clark Ditch Source of Water Big Timber Creek
Basin Present 5 Potential 0 Maximum 5 R ✓ F P G S
Code No. System Source of Water
Basin Present Potential Maximum R F P G S

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from Date

Form WR-B
Reporter 20188 2M 12-49

Twp. 1N Rge. 15E
Twp. ____ Rge. ____
Twp. ____ Rge. ____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

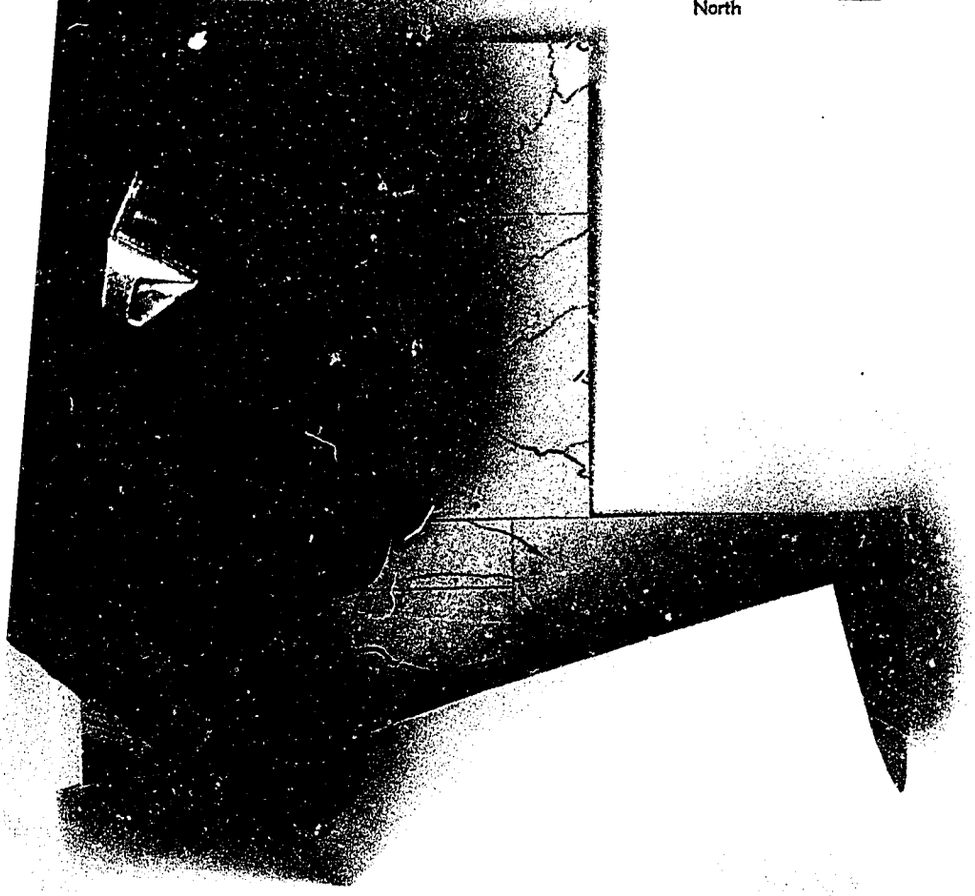
FARM MAP

County Sweet Grass
Code No. 16A, 36D

Name of Land Owner Montana, State of Address
Name of Operator Address
Legal Description

Irrigated Land | Non-Irrigated Land | Potential Land Under Existing Facilities

North



Code No. 36 D System Dry Creek Canal Co. Source of Water Boulder River
Basin Boulder River Present 0 Potential 40 Maximum 40 R ✓ F P G S
Code No. 36 D System Frost Ditch Source of Water upper Deer Cr
Basin Yellowstone Present 42 Potential 0 Maximum 42 R ✓ F P G S
Code No. 16 A System Bailey - Clark Ditch Source of Water Big timber Creek
Basin Present 5 Potential 0 Maximum 5 R ✓ F P G S
Code No. System Source of Water
Basin Present Potential Maximum R F P G S

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system

NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.

Information from Date

Farm Checked

By Dave & Joe

Area Dry Creek

Date 4/20/50

FORM F-1 REPORTER IM 3-49 17380

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 29D 3CD

County Sw. Gran

T. 1N R. 1S Sec. 29 32

Photo No. M.T. - 174-159, 174-160

Legal Land Owner State of Montana Address

Operator E. J. Roberts Address Big Timber

Water is delivered by:

Federal Project Pres. Pot.

188 Ditch Company Dry Creek Canal Co. Pres. Pot.

Irrigation District Pres. Pot.

Private System Pres. Pot.

Totals

Flood Pump Reservoir Gravity ✓

Size and Capacity, Pump, etc.

Original Appropriator, Company Dry Cr. Canal Co. App. No. 188

Original Appropriator, Private W. A. Curtis, Carl Jakeman App. No. 371, 481

Is the system an extension of another system? Yes No ✓

Is all land irrigated from one system? Yes ✓ No

(If No, show break down on map)

Source of Water Boulder R., Dry Cr., Hobbs Coulee

Acres Irrigated 1950, About 200 acres

Potential Acres none Seeped

Explain

Condition of System good

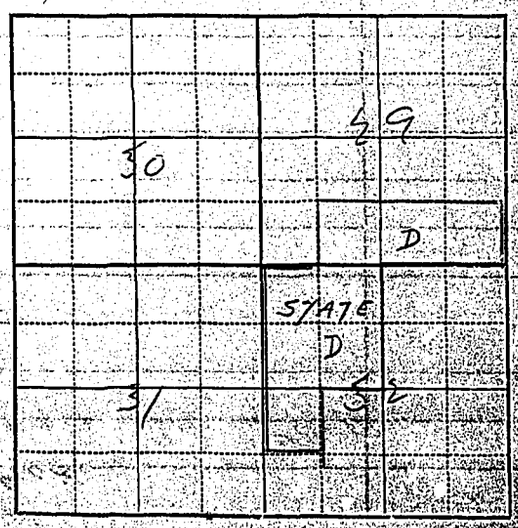
Adequate Supply: Yes ✓ No

Explain

Topography River Valley

Information From E. J. Roberts

Remarks



River
G S
Deer Cr
G S
Cr Creek
G S
G S
the case may be
diverted by gravity.

Dry Creek Canal Co.

Has 12 3/10 shares of stock.

See Dry Creek Canal Co. Form.