

Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER IM 3-49 17380

By Bob & Jim

State Engineer's Office
WATER RESOURCES SURVEY

Code No. 8A

Area Swamp Creek

County Sweet Grass

Date July 25, 1950

T. 2N R. 13E Sec. 8

Legal Land Owner John Pederson

Photo No. MA-12A-184

Address Big Timber

Operator Janie

Address

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System ☒ 2 laterals of Grosfield ditch Pres. _____ Pot. _____

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private No filing shown 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 Swamp Creek

Acres Irrigated 19.50

Potential Acres _____ Seeped _____

Explain _____

Condition of System Fair

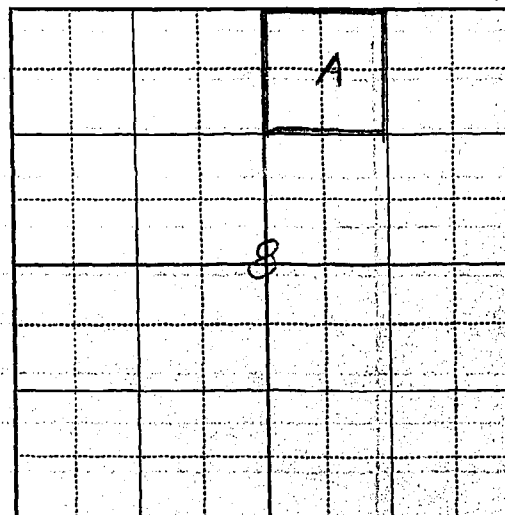
Adequate Supply..... Yes ☒ No ☒ only flood yr.

Explain not much land irrigated

Topography Creek bottom

Information From Field survey of Arvo Grosfield

Remarks see other side



20

1.42. Lower lateral out of Grosfield ditch irrigates a small amount of land N. of the road in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec 8

Upper lateral is used by Arne Grosfield but sub-irrigates the land S of the road in NW $\frac{1}{4}$ NE $\frac{1}{4}$. Land has only flood rights

STATE OF MONTANA

State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County _____

Code No. _____

Twp. 2N Rge. 19E

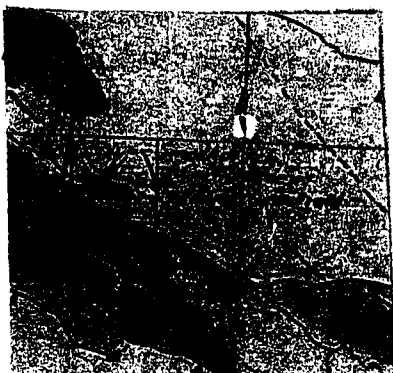
Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner John Pedersen Address Big Timber

Name of Operator Same Address _____

Legal Description _____



Code No. <u>8A</u>	System <u>Grassfield Ditch</u>	Source of Water <u>Mingled Water Rock Creek & Dry Cr.</u>
Basin <u>Big Timber Creek</u>	Present <u>9</u> Potential <u>0</u> Maximum <u>9</u>	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u> S <u>✓</u>
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____ Potential _____ Maximum _____	R _____ F _____ P _____ G _____ S _____
Code No. <u>1</u>	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 J. E. Cook Date May 4, 1951

Farm Checked

By J. E. C.

Area Whit

Date 7/19

Legal Land O

Operator

Water is delive

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D

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P

F

Size and Capa

Original Appr

Original Appr

Is the system

Is all land irri

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Source of W

Acres Irrigat

Potential Ac

Explain

Condition of

Adequate Su

Explain

Topography

Information

Remarks

years
20 use

20

Form Checked

STATE OF MONTANA

FORM F-1 REPORTER 1M 3-49 17380

By J.E.C.

State Engineer's Office

Code No. 26 C

Area Whitetail Creek

WATER RESOURCES SURVEY

County Seventeen

Date 7/14/1950

T. 2^N R. 13^E Sec. 26

Photo No. 149-124-28

Legal Land Owner

Adolf Rudel

Address 7

Operator

Same

Address

Water is delivered by:

Federal Project

Pr

Pot

Ditch Company

Prs

Pot

Irrigation District

Prs

Pot

Private System ☒

Prs

Pot

Totals

Flood

Pump

Reservoir

Gravity ☒

Size and Capacity, Pump, etc.

Original Appropriator, Company

App. No.

Original Appropriator, Private

Christina Rudel

App. No. 885

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

White Tail Cr.

Acres Irrigated 19.50

Potential Acres

Seeped 0

Explain

Condition of System

Nearly obliterated

Adequate Supply

Yes

No ☒

Explain

Creek is sometimes dry

Topography

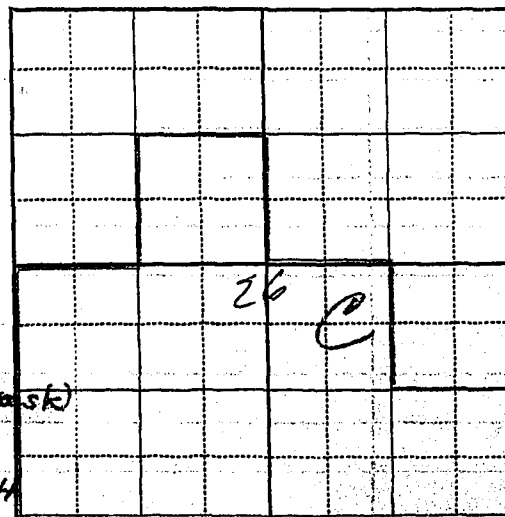
Valley sides, rough

Information From

Field Survey (Contacted by Baker, + Trask)

Remarks

Ditch has not been used for many years and would have to be completely rebuilt to use it. Ditch was filed on by Edna Neeley (Beckley) also. (see 884)



Twp.

Twp.

Twp.

Name

Name

Legal

Cod

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in

Info

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass
Code No. 26 C

Twp. 2N Rge. 13E
Twp. _____ Rge. _____
Twp. _____ Rge. _____

Name of Land Owner RUDD, ALFRED Address _____
Name of Operator SATTRE Address _____
Legal Description _____

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



Code No.	<u>26 C</u>	System	<u>C. Rudd Ditch</u>	Source of Water	<u>White tail Creek</u>
Basin	<u>Yellowstone River</u>	Present	<u>0</u>	Potential	<u>39</u>
				Maximum	<u>39</u>
				R	<u>✓</u>
				F	<u>✓</u>
				P	<u>✓</u>
				G	<u>✓</u>
				S	<u>✓</u>
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 J E Cook Date May 4, 1951

Farm Check
By jis
Area B
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Legal Land
Operator
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Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER, IM 3-49 17380

By Jim & Millard

Code No. 10 B

Area Big Timber Co.

State Engineer's Office

County Sweetgrass

WATER RESOURCES SURVEY

T. 2N R. 13E Sec. 10

Date July 27, 1950

Photo No. MA 12A-29

Legal Land Owner Deland, Marie

Address Big Timber

Operator Palmer Sloughs

Address "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System 2 Private ditches Pres. _____ Pot. _____

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private no filings shown. 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 Grassfield Coulee

Acres Irrigated 19 50

Potential Acres _____ Seeped _____

Explain _____

Condition of System Good

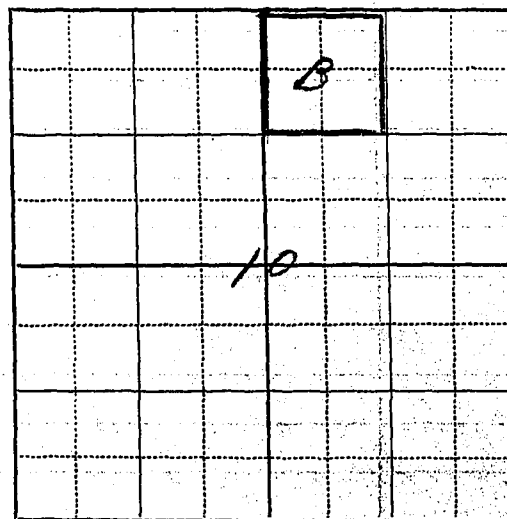
Adequate Supply Yes _____ No _____

Explain _____

Topography Creek bottom

Information From _____

Remarks No irr., No Potential



① Ditch diverts south side of Grosfield coulee in S.W. corner S.W. 1/4 of Sec. 3 and runs in easterly direction just above Sec. line of 3 & 10. Wetland land under this could be considered potential. Not in use. Grosfield ditch.

② Ditch diverts out of Grosfield coulee in NE corner of Wetland's 40 acre piece on north side of gulch. In use. Grosfield ditch.

③ Ditch diverts about 50 feet below #2 ditch on south side of Grosfield coulee. Called Tintinger ditch. Not in use.

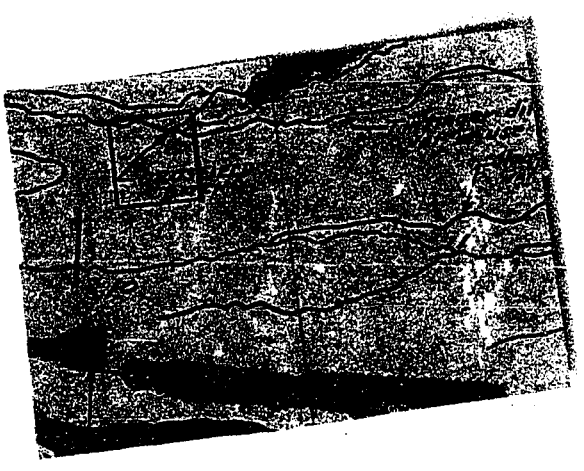
STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass
Code No. 10B

Twp. 2N Rge. 13E
Twp. _____ Rge. _____
Twp. _____ Rge. _____

Name of Land Owner UELAND, MARIE Address Big Timber
Name of Operator Palmer Hauge 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 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 _____

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Farm Checked

By

Area

Date

Legal Land Owner

Operator

Water is delivered by:

Federal Project

Ditch Company

Irrigation District

Private System

Flood

STATE OF MONTANA
STATE ENGINEER'S OFFICE
WATER RESOURCES SURVEY

FORM F-1 - GAZETTE 1965-24-1-47
Code No. 78A183, 32A,
County Sweet Grass
T. 210 R. 134 Sec. 32, 34, 36
Photo No. 12A-184
Address 12A-183
Address 12A-182
Address 12A-28
Address Big Timber

Pres. Pot.
Pres. Pot.
Pres. Pot.
Pres. Pot.
Totals

Pump Reservoir Gravity

Size and Capacity, Pump, etc.

Original Appropriator, Company

Original Appropriator, Private

Is the system an extension of another system?

Is all land irrigated from one system?

(If No, show break down on map)

Source of Water

Acres Irrigated 1950

Potential Acres

Explain

Condition of System

Adequate Supply

Explain

Topography

Information From

Remarks

App. No.

App. No.

Yes No

Yes No

See attached

map

Dry Creek & Rock Creek

① Ditch diverts from S bank of Dry Creek in SE $\frac{1}{4}$ sec 6 runs SE across corner of sec 7 and into sec 8. This ditch picked up water spilled into Dry Creek from the Grosfield ditch out of Rock Creek. The ditch has not been used for many years.

② Ditch diverts on the S bank of Dry Creek in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of sec 5 and runs SE across sec 8. It irrigates land in sec 8. and is also used by Louis Grosfield in sec 9. Also picks up water dropped into Dry Creek from Rock Creek.

Swamp Creek ③ Small ditch diverts on N bank of Swamp Creek in the NE $\frac{1}{4}$ sec 8. used to irrigate a garden, less than one acre.

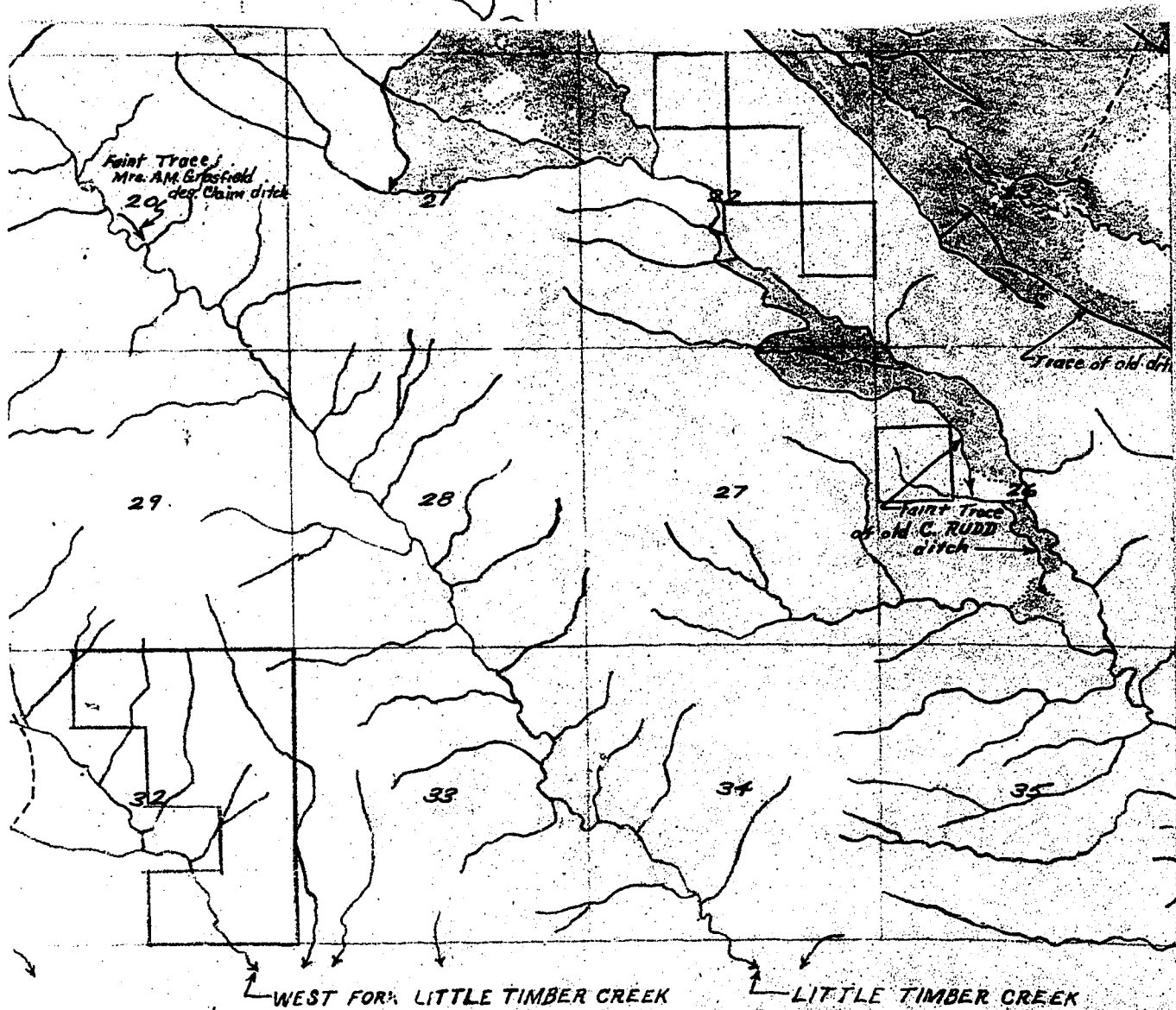
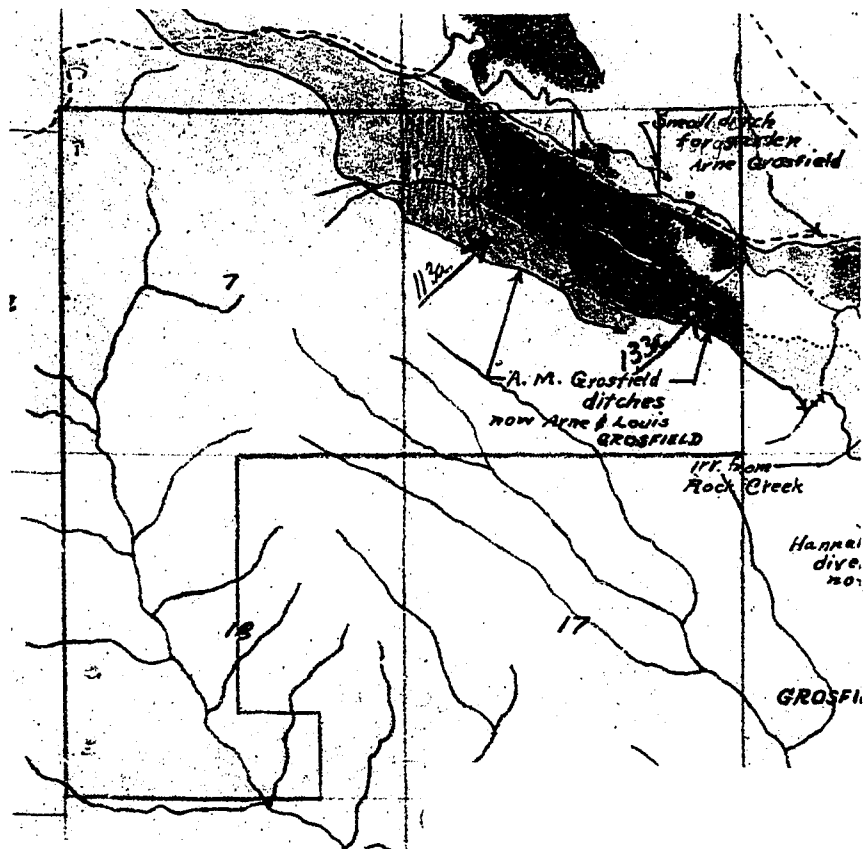
STATE OF MONTANA
STATE ENGINEER'S OFFICE
 WATER RESOURCES SURVEY

Township 2 N Range 13 E County Richmond

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

Anne Gussfeld

Township 2 N Range 13 E



STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass
Code No. 7A-8A-18B-32A-
22C-26B

Twp. 2N Rge. 13E
Twp. _____ Rge. _____
Twp. _____ Rge. _____

Name of Land Owner GROSFELD, ARNE Address Big Timber
Name of Operator Same Address " "
Legal Description _____



Irrigated Land



Non-Irrigated Land
North



Potential Land Under Existing Facilities

Code No. 7A, 8A System Grosfield Ditch Source of Water Rock Creek
Basin Big Timber Creek Present 0 Potential 113 Maximum 113 R ✓ F ✓ P ✓ G ✓ S ✓
Code No. 8A System Grosfield Ditch Source of Water Rock Creek & Dry Cr.
Basin Big Timber Creek Present 133 Potential 0 Maximum 133 R ✓ F ✓ P ✓ G ✓ S ✓
Code No. 8A System Grosfield Garden Ditch Source of Water Swamp Creek
Basin Big Timber Creek Present less than one acre Potential 0 Maximum 0 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

O. E. Cook

Date

May 4, 1951

Farm C

By

Area

Date

Legal L

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Farm Checked

STATE OF MONTANA

FORM F-1 - GAZETTE 1955-24-1-47

By

Area

Date

Legal Land Owner

Operator

STATE ENGINEER'S OFFICE
WATER RESOURCES SURVEY

Code No.

County

T.

Photo No.

Address

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

Original Appropriator, Private

App. No.

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

Acres Irrigated

Potential Acres

Seeped

Explain

Condition of System

Adequate Supply

Yes

No

Explain

Topography

Information From

Remarks

① Upper ditch from W. 2k of Little Timber ^{or Cort Cr.}
creek on north side in NW corner of $10\frac{1}{4}$
of Sec. 24 - T2N-12E

② 1 Ditch diverts from W. 2 Little Timber
cr. on south side near the east line
of Sec. 24 - T2N-12E.

③ 1 Ditch diverts from W. 2k Little Timber Cr
on south side near north line of sec.
30 in T2N-12E.

STATE OF MONTANA
STATE ENGINEER'S OFFICE
 WATER RESOURCES SURVEY

Township 3N Range 13E County Sweet Grass

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

Arthur J. Gossfield

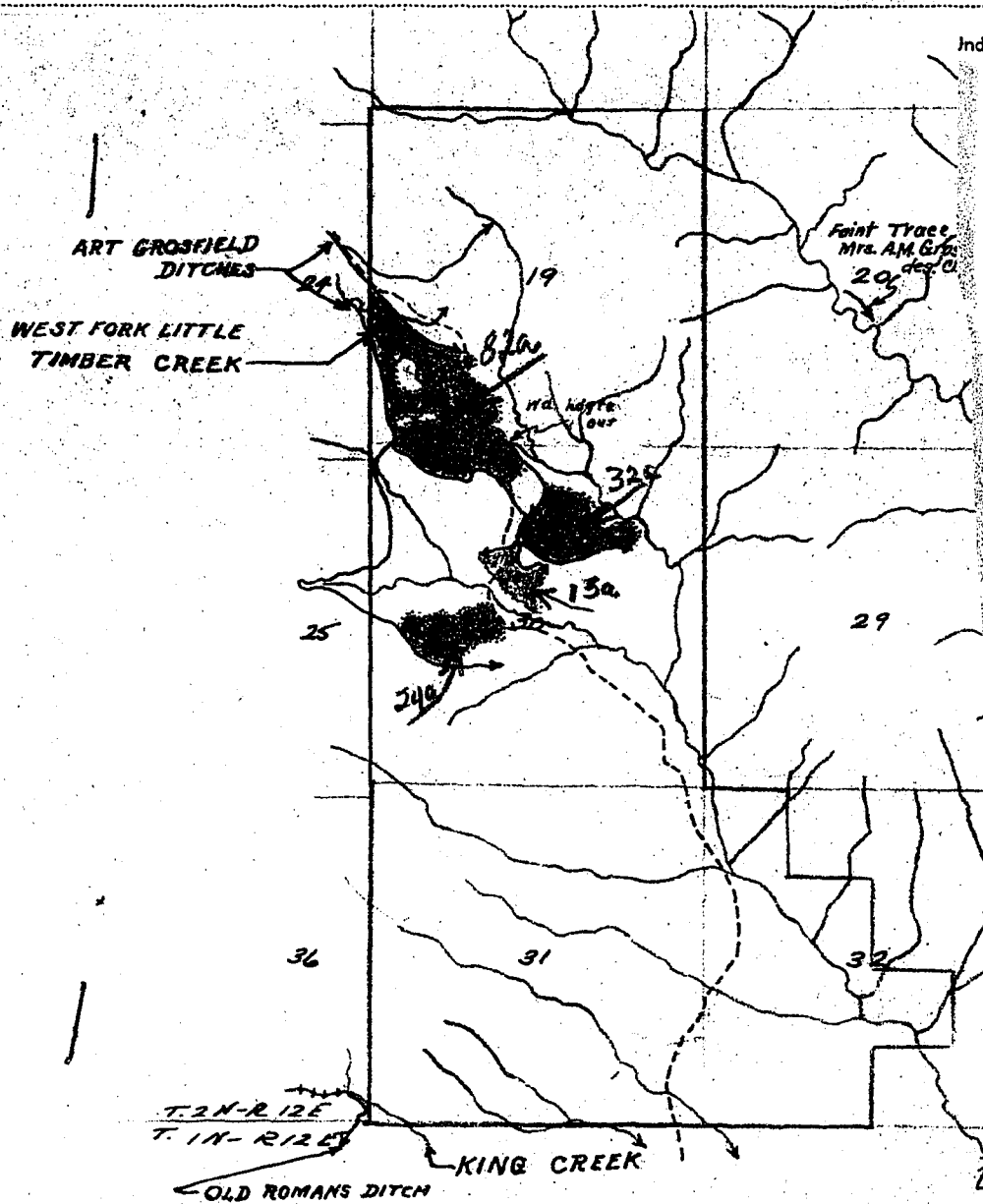
Township 3N Range 13E

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass
Code No. 19A-30A-31A-
32B

Twp. 2N Rge. 13E
Twp. _____ Rge. _____
Twp. _____ Rge. _____

Name of Land Owner. GROSFELD, ARTHUR Address Big Timber
Name of Operator. Arthur Grosfeld Address " "
Legal Description. _____



Under Existing Facilities

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 L. E. Cook Date May 4, 1951

Code No.
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Code No.
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Information :

Form WR-B
Reporter 20188 2M 12-49

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass
Code No. 19A-30A-31A-
32B

Twp. 13E
Rge. 13E
Twp. 13E
Rge. 13E

Name of Land Owner GROSFELD, ARTHUR Address Big Timber
Name of Operator Same Address " "
Description " "

Under Existing Facilities



Code No. 19A-30A System Art. Grosfeld Ditches Source of Water Cort Creek and/or West Fork Little Timber Cr.
Basin Yellowstone River Present 138 Potential 13 Maximum 151 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 L. E. Cook Date May 4, 1951

Farm Checked

STATE OF MONTANA

Code No.

By J.C. + M.T.

STATE ENGINEER'S OFFICE

County

Area Big Timber Co.

WATER RESOURCES SURVEY

T.

R.

Sec.

Date 7-20-50

Photo No.

Legal Land Owner

Address

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

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

Acres Irrigated 1950

77 acres

Potential Acres

Seeped

Explain

Condition of System

Adequate Supply

Yes

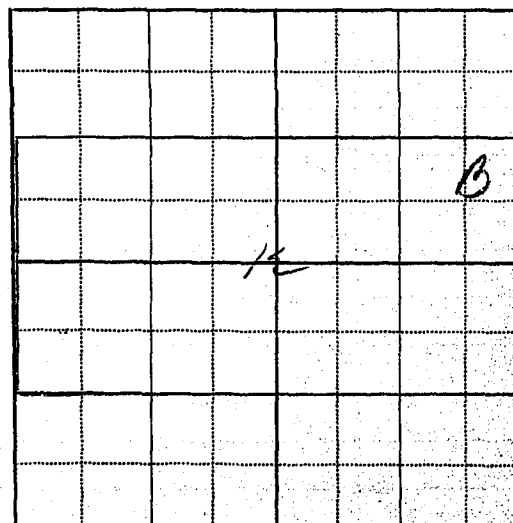
No

Explain

Topography

Information From

Remarks



1. Land on north side of Long Gulch is potential
from timbering ditch out of Grass Creek Coulee.

2. Ditch out of Long Gulch crossed on North side
in sec. 11 built by Richard Hauge to irrigate
all land (Hauge) on bench north of Coulee.

3. Ditch diverting from north side of Long Gulch
near West line of Sec. 12 also built by Richard
Hauge is used to irrigate Hayfield on bench
east side of Sec. 12.

4. Small ditch out of Long Gulch on North side
in bottom of gulch has not been used for
several years.

5. Ditch out of South side of Long Gulch diverts
near center of sec 11 built by Richard Hauge
to irrigate marshland South of Long Gulch.

6. Small ditch on south side of Long Gulch
was used about four years ago to irrigate
about 3 acres of potatoes.

Form WR-8
Reporter 20188 2M 12-49

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass
Code No. 12B

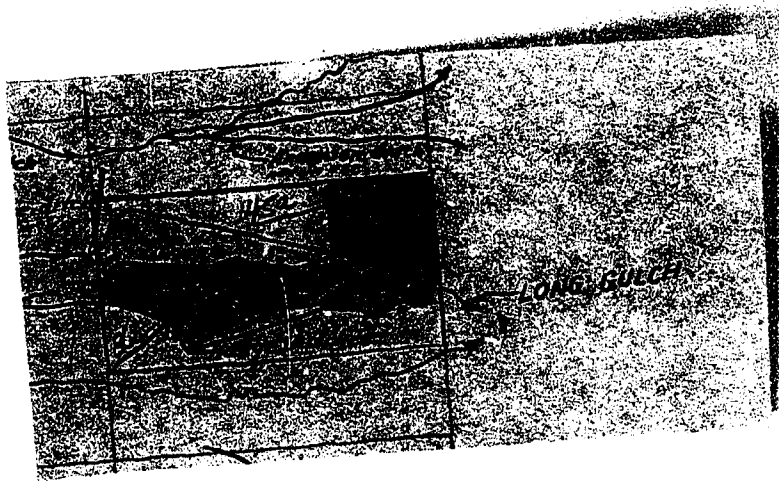
Twp. 2N Rge. 13E
Twp. _____ Rge. _____
Twp. _____ Rge. _____

Name of Land Owner HAUGE, BINA Address Big Timber
Name of Operator Palmer Hauge Address " "
Legal Description _____

☐ Irrigated Land

☐ Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities



Code No. 12B System Hauge Ditches Source of Water Waste from Grosfield irr. out of B.T. Creek Long Gulch
Basin Big Timber Creek Present 45 Potential 86 Maximum 131 R X 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 J. E. Cook Date May 4, 1951

Township 2North - Range 14 East

(21)

Name of Owner	Township & Range
✓1. Adam, Ed N.	(21) 2N-14E
✓2. Alden, George	"
✓3. Arneson, Elmer	" (15) 3N-15E (16) 3N-16E (22) 2N-15E (28) 1N-14E
✓4. Bruffey, Ward E.	"
✓5. Drivdal, Emil	" (7) 4N-13E
✓6. Grosfield, Clara	" (3) 5N-14E (2) 5N-13E
✓7. Grosfield, Louis	" (20) 2N-13E (13) 3N-13E (2) 3N-12E (7) 4N-13E
✓8. Grosfield, T.M. (Est.)	"
✓9. Hathaway, Vernie G.	"
✓10. Hauge, Bina	" (20) 2n-13E
✓11. Hauge, Rudolph	"
✓12. Huyser, John	" (28) 1N-14E (14) 3N-14E 3N-R-16E
✓13. Lien, Anton (Est)	"
✓14. Long, G. B. (Est)	"
✓15. Madill, John A.	" (12) 3N-12E (20) 2N-13E (13) 3N-13E (27) 1N-13E
✓16. Magelssen, Wm.	" (14) 3N-14E
✓17. Nelson, Wade	"
✓18. Rapstad, Louis & sister	" (22) 2N-15E
✓19. Songstad, Martin	"
✓20. Solberg, Louis	"
✓21. Tetlie, H. B.	"
✓22. Watson, Alex	" (22) 2N-15E

14/12/22

Township _____ Range _____ County _____

Parcel Number	Name of Owner/Appropriator	Address
Appropriation 78	Arid Land Grant Commission (20,000 m.t.)	
	Certain lands in 2N 14E Point of diversion beginning at SE corner Sec 26 7N 14E on Big Timber Creek A canal about 20 miles long.	
Appropriation 95	Lee, Thomas K. et al (5000 m.t.)	Big Timber, Mont.
	Lands in 2N 14E. Point of diversion on East Big Timber Creek is on east bank about 600 feet north of north section line of Sec. 23 3N 13E.	
Appropriation 107	Holland Irrigation Canal Co (50,000 m.t.)	Bozeman, Mont.
	Lands lying in 2N 14E. Point of diversion on North Fork (sometimes called the East Fork) of Big Timber Creek is 1029 feet north of the SW corner of the SE 1/4 Sec 23 3N 13E on east bank of said stream.	
Appropriation 108	Holland Irrigation Canal Co (15,000 m.t.)	Bozeman, Mont.
	Lands lying in 2N 14E. Point of diversion on South Fork of Big Timber Creek is 955 feet NW of the SE corner of the SW 1/4 Sec 20, 3N 13E on left bank of said stream.	
Appropriation 101	Hatch, Mary W (50,000 m.t.)	Big Timber, Mont.
	Lands in 2N 14E. Point of diversion on East Fork of Big Timber Creek is on east bank about 600 feet north of the north section line of Sec. 23, 3N, 13E.	
Appropriation 135	Sweet Grass Canal & Reservoir (3000 m.t.)	Big Timber, Mont.
	Lands situated in 2N 14E Point of diversion on east bank of Big Timber Creek at a point about 1000 feet north of the quarter corner on the south line of Sec 23 3N 13E.	
Appropriation 122	Arneson, Edward & Olson, Theodore (1000 m.t.)	Big Timber, Mont.
	Lands in Sec. 29 & 30 T. R. Point of diversion on Swamp Creek on NE bank near west line of Sec. 30.	
Appropriation 128	Fregg, H. & Palmer, Wm (1000 m.t.)	Big Timber, Mont.
	Point of diversion on east bank of Swamp Creek about 3 miles west of the Palmer-Fregg ranch.	

Township _____ Range _____ County _____

[illegible]

No.

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-77-

82

- 83

-92

-102

-103

-105

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102

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Township 2 North, Range 14 East

No.	Name of Appropriator	Name of Stream	Date App.	Date Filed	M.I.
-44	Hansen, John P.	Anderson Creek	6-1-18	6-1-18	50
-71	Lien, Anton	Bear Gulch	9-25-13	9-25-13	150
-75	Anderson, A. O.	Big Timber Creek	11-5-04	11-10-04	200
-77	Anderson, Anders O.	Big Timber Creek	9-24-09	9-24-09	300
-82	Boyd, Wm. A.	Big Gulch	4-16-95	5-7-95	200
-83	Boyd, Wm. A.	Big Timber Creek	4-16-95	5-7-95	200
-92	Dorsey, James and Reynolds, Chas.	Big Timber Creek	4-22-89	4-22-89	640
-102	Hathaway, Maria T.	Big Timber Creek	10-19-00	10-19-01	300
-103	Hathaway, Maria T.	Big Timber Creek	10-19-01	10-19-01	400
-105	Hauge, Edward	Big Timber Creek	3-5-98	3-5-98	300
-109	Iverson, Nils and Nelson, Iver	Big Timber Creek	12-17-97	12-17-97	300
-115	Lee, Thomas K.	Big Timber Creek	4-28-96	5-18-96	10,000
-120	Neumeyer, Robert	Big Timber Creek	6-26-02	6-26-02	640
-122	Pound, H. C. <i>Lakko</i>	Big Timber Creek	6-18-95	6-18-95	250
123	Rapstad, Jacob L.	Big Timber Creek	9-16-92	9-19-92	400
124	Rapstad, Jacob L.	Big Timber Creek	9-16-92	10-18-92	600
-125	<i>Rapstad, Jacob L.</i>	" "	<i>2-18-04</i>	<i>2-18-04</i>	<i>800</i>
-126	Riffle, David J.	Big Timber Creek	10-28-89	10-29-89	300
-139	Urdal, Jacob & Gabriel	Big Timber Creek	8-30-04	8-30-04	400
-378	Mero, Alexander	Dry Creek	3-2-01	3-2-01	300
<i>532</i>	<i>Holland Irrigation Canal</i>	<i>Other Creek</i>	<i>5-21-96</i>	<i>3-11-96</i>	<i>10,000</i>
-547	Hathaway, Maria <i>Decreed</i>	Mogerry Creek	6- -04	8-4-04	All
-625	Rapstad, Jacob L.	Rapstad Gulch	2-21-96	2-21-96	300
-647	Lavold, Theo S.	Seven Mile Creek	10-5-06	10-6-06	150
-720	Arneson, Anthony	Swamp Creek	7-23-03	7-23-03	150
-721	Arneson Bros.	Swamp Creek	6-7-92	6-8-92	1000
-727	Connolly, James	Swamp Creek	3-7-11	3-7-11	200

No.
-730
-731
-732
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-735
-736
-737
-849
-1079
-1089
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D-94
D-95
D-96
D-97

Township 2 North, Range 14 East

No.	Name of Appropriator	Name of Stream	Date App.	Date Filed	M.I.
-730	Hathaway, Maria	Swamp Creek	8-4-04	8-4-04	150
-731	Mero, Alexander	Swamp Creek	6-27-03	6-27-03	150
-732	Mero, Alexander and Neumayer, Robert	Swamp Creek	1-15-02	1-15-02	300
-733	Morris, John B.	Swamp Creek	8-26-89	8-27-89	160
-735	Neumayer, Robert	Swamp Creek	1-30-01	1-30-01	500
-736	Olson, Engeborg	Swamp Creek	1-30-01	1-30-01	200
-737	Olson, Theodore	Swamp Creek	8-6-98	8-6-98	300
-849	Lavold, Theodore	Ten Mile Creek	12-14-09	1-3-10	500
-1079	Long, G. B. and Morris, J.B.	Lakes & Reservoirs	7-29-19	7-29-19	1000
-1089	Johnson, C. C.	Flood Waters, Seepage	6-26-26	6-26-26	200
D-58	Anderson, A. O.	Big Timber Creek	8-1-08		160
-D-60	Asbury, John F. et al	Big Timber Creek	6-15-83		50
-D-61	Asbury, John F. et al	Big Timber Creek	7-1-88		50
-D-62	Asbury, John F. et al	Big Timber Creek	12-20-92		300
-D-63	Asbury, John F. et al	Big Timber Creek	6-10-95		130
-D-64	Asbury, John F. et al	Big Timber Creek	6-11-95		20
-D-68	Clark, E. O. & Henry, Frank	Big Timber Creek	6-1-85		100
-D-69	Clark, E. O. & Henry, Frank	Big Timber Creek	6-2-85		40
-D-70	Clark, E.O. and Henry, Frank	Big Timber Creek	6-30-98		80
D-71	Crest, Albert	Big Timber Creek	5-3-03		100
-D-79	Gough, John	Big Timber Creek	6-1-95		80
-D-93	Hathaway, Maria T. <i>Lower ditch</i>	Big Timber Creek	1-1-80		246
-D-94	Hathaway, Maria T. <i>Round ditch</i>	Big Timber Creek	6-1-95		30
-D-95	Hathaway, Maria T. <i>Upper ditch</i>	Big Timber Creek	6-1-99		56
-D-96	Hathaway, Maria T. <i>West side ditch</i>	Big Timber Creek	7-1-01		70
-D-97	Hathaway, Maria T. <i>Lea</i>	Big Timber Creek	6-15-04		128

Page th

No.

-D-99

-D-100

-D-101

-D-107

-D-108

-D-109

-D-118

-D-166

-D-220

-D-246

-D-252

-D-263

-D-264

-D-2

-D-2

-D-2

-D-2

-D-2

Wolfe

Brookings

Clark

Page three

<u>No.</u>	<u>Name of Appropriator</u>	<u>Name of Stream</u>	<u>Date App.</u>	<u>Date Filed</u>	<u>M.I.</u>
-D-99	Hauge, Ed	Big Timber Creek	7-1-94		60
-D-100	Iverson, Nils	Big Timber Creek	7- -91 -		50
-D-101	Iverson, Nils	Big Timber Creek	5-23-96		50
-D-107	Rapstad, J. L.)	Big Timber Creek	3-15-80		80
-D-108	Rapstad, J. L.)	Big Timber Creek	1-1-99		40
-D-109	Rapstad, J. L. <i>Greenac</i>	Big Timber Creek	5-1-01		500 =
-D-118	Urdahl, <i>Jacobs</i>	Big Timber Creek	6-15-04		60
-D-166	Arneson, A. H. <i>Hults</i>	Dry Creek	9-5-03		47
-D-220	Hathaway, Maria ✓	McGerry Creek	6-30-02		20
-D-246	Arneson, A. H.	Swamp Creek	4-1-80		466
-D-252	Clark and Henry <i>Nelson</i>	Swamp Creek	9-1-02		150
-D-263	Grosfield, T. M. <i>Chas Grosfield</i>	Swamp Creek	4-1-80		200
-D-264	Hathaway, Maria T. ✓	Swamp Creek	8-2-04		150
-D-247	Arneson, A.H	Swamp Creek	9-14-89		100
-D-248	"	"	4-21-90		60
-D-249	"	"	6-1-91		60
-D-250	"	"	7-1-93		40

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 2N Range 14E County Sweet Grass

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						12
18			17	16	15	14
						13
1651	19		20	21	22	23
						24
		1654				
30			29	28	27	26
						25
31			32	33	34	35
						36

Transcribed from Park County

Township 2N Range 14E

Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER IM 3-49 17380

By

Area

Date

Legal Land Owner

Operator

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

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

Acres Irrigated

Potential Acres

Seeped

Explain

Condition of System

Adequate Supply

Explain

Topography

Information From

Remarks

State Engineer's Office

WATER RESOURCES SURVEY

Code No.

County

T.

R.

Sec.

Photo No.

Address

Address

Adam, Ed. N.

O'Rourke, John

Big Timber

" "

3 ditches 1 Mutual, 2 private

116

P

Dorsey, James & Reynolds, Chas.

Neumeyer, Robert
Clark, E.O. & Henry, Frank

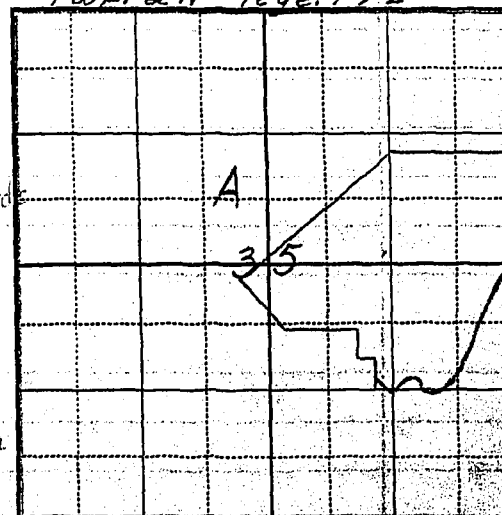
92, 120, D-68, D-69
D-70, D-252

Full ditch 96
20

near out of this Cr.

Big Timber Cr., Swamp Cr.

TWP. 2N - Rge. 14E



(1) Ditch diverts into N bank of But. Creek about 100 yds N. of the E sec line of sec 34, runs South and East into the SW $\frac{1}{4}$ sec 35 where it irrigates land on E. bottom

(2) Ditch diverts in the NW corner of sec 35 on the E bank of But. Creek, runs SE to south line of sec 35. The ditch irrigates land on the E. side of B. Creek. This ditch is also used a small amount by Briffley

(3) Uses Rued Mutual Ditch

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass

Code No. _____

35A

Twp. 2N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner ADAM, ED. M. Address Big Timber

Name of Operator O'Rourke, John Address _____

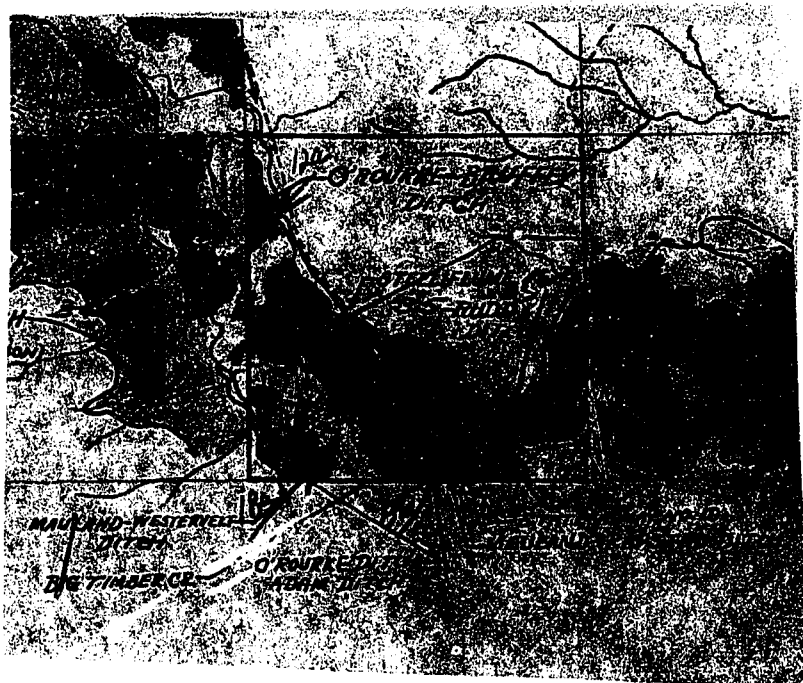
Legal Description _____

☐ Irrigated Land

☐ Non-Irrigated Land

☒ Potential Land Under Existing Facilities

North



Code No. 35A System O'Rourke-Bridley Ditch Source of Water Big Timber Creek

Basin Big Timber Creek Present 101 Potential 14 Maximum 115 R ☒ F ☐ P ☐ G ☒ S ☐

Code No. 35A System Rudd Ditch Source of Water Big Timber Creek

Basin Big Timber Present 95 Potential 0 Maximum 95 R ☒ F ☐ P ☐ G ☒ S ☐

Code No. 35A System O'Rourke Ditch Source of Water Big Timber Creek

Basin Big Timber Creek Present 18 Potential 12 Maximum 30 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 Che

By J.

Area 8

Date 5/

Legal La

Operator.

Water is

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Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER 11M 3-49 1738

By Jim & Bob

Code No. 10A

Area Big Timber Creek

State Engineer's Office

County Sweet Grass

WATER RESOURCES SURVEY

T. 2N R. 14E Sec. 10

Date July 17, 1950

Photo No. MA-11A-207

Legal Land Owner Alden, George Address _____

Operator Same 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 Lee, Thomas H. App. No. 115

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

Acres Irrigated 19.50, 0

Potential Acres 0 Seeped _____

Explain no ditches on this land

Condition of System _____

Adequate Supply _____ Yes _____ No _____

Explain _____

Topography Miller, Top of divide between Big Timber & Otter Creek

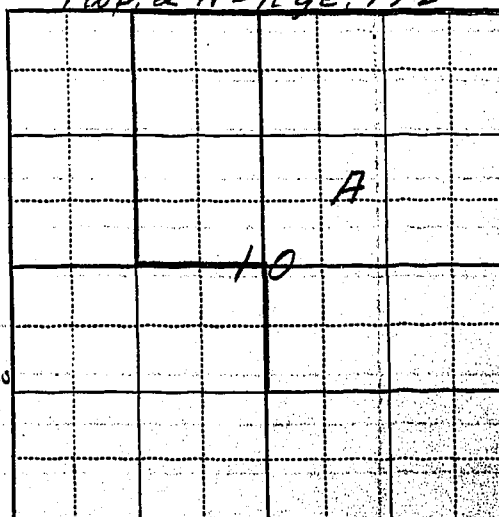
Information From Field Survey

Remarks Ditch from Big Timber Creek

does not get to top of Divide in this

see. No irr., No Potential.

TWP. 2 N - R9E. 14E



Farm Checked

By

Area

Date

Legal Land Owner

Arneson, Elmer

Address Big Timber

Operator

Same

Address " "

Water is delivered by:

Federal Project Pres. Pot.
Ditch Company Pres. Pot.
Irrigation District Pres. Pot.
Private System Pres. Pot.
500 and 500 Totals
Flood Pump Reservoir Gravity

Size and Capacity, Pump, etc.

Original Appropriator, Company

App. No.

Original Appropriator, Private

Lee, Thomas H.

App. No. 115

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

Acres Irrigated 19

Potential Acres Seeped

Explain

Condition of System

Adequate Supply Yes No

Explain

Topography

Information From

Remarks All Lee Ditch from BT Creek Crosses

this land. No irr., No Potential

FORM F-1 REPORTER: IM 3-48 17380

1A, 2A, 11A, 12A, 14A, 15A
Code No. 23A, 24A, 25A

County Sweet Grass

T. 2N R. 14E Sec. 20-21

MA-12A-20-21

Photo No. MA-11A-207

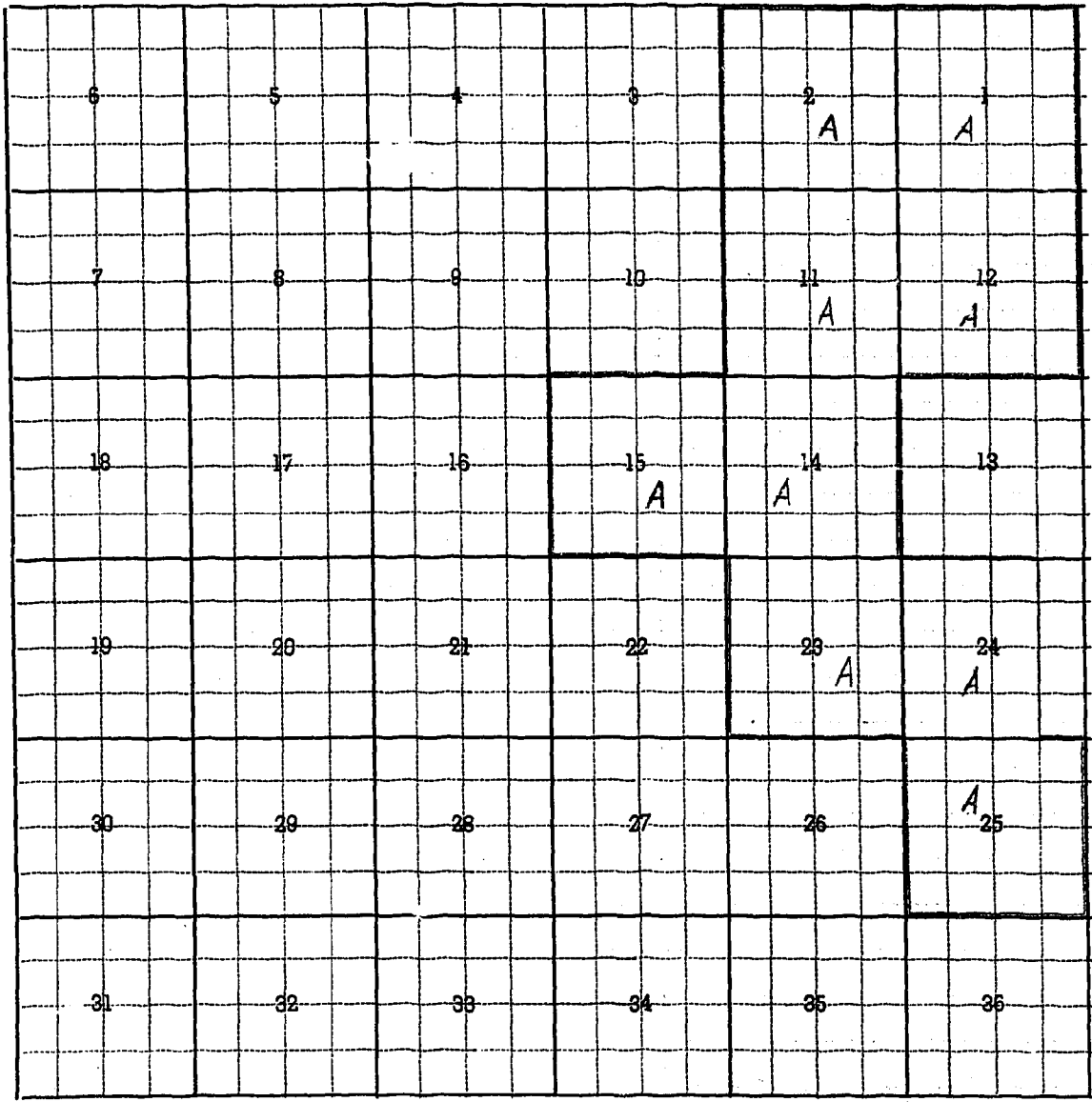
MA-

A, 15A
A
SS
-21

FORM D-1
REPORTER IM 3-48 17379

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 2 North Range 14 East County Sweet Grass



Township _____ Range _____

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Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER 1M 3-49 17380

By

Jim Bob

State Engineer's Office

Code No. 34B, 34C

Area

Big Timber Cr.

WATER RESOURCES SURVEY

County Sweet Grass

Date

April 14, 1950

T. 2 N R. 14 E Sec. 34

Photo No. MA-11A-205

Legal Land Owner

Bruffey, Ward E.

Address

Big Timber

Operator

Same

Address

" "

Water is delivered by:

Federal Project

Pres.

Pot.

Ditch Company

Pres.

Pot.

Irrigation District

Pres.

Pot.

Private System

1 ditch - O'Rourke - Bruffey ditch
1 ditch - Bruffey ditch

Pres.

Pot.

Flood water out of Swamp Cr. - Long Ditch

Flood

Pump

Reservoir

Gravity

Size and Capacity, Pump, etc.

Original Appropriator, Company

Long, G.B. & Morris, J.B.

App. No.

Original Appropriator, Private

Boyd, Wm. A.

App. No.

Clark, E.O. & Henry, Frank

82, 83, 1079, D-68,
D-69, D-70, D-71, D-252

Is the system an extension of another system? Gough, John

Yes

No

Is all land irrigated from one system?

Yes

No

(If No, show break down on map)

Source of Water

Big Timber Creek, Big Gulch, Lake & Res.
Swamp Cr.

Acres Irrigated 19

50, 67.00

Potential Acres

160. has crabs Seeped

Explain

Could irrig. all of land of ranch from Swamp Cr.

Condition of System

Good

Adequate Supply

Yes

No

Explain

Topography

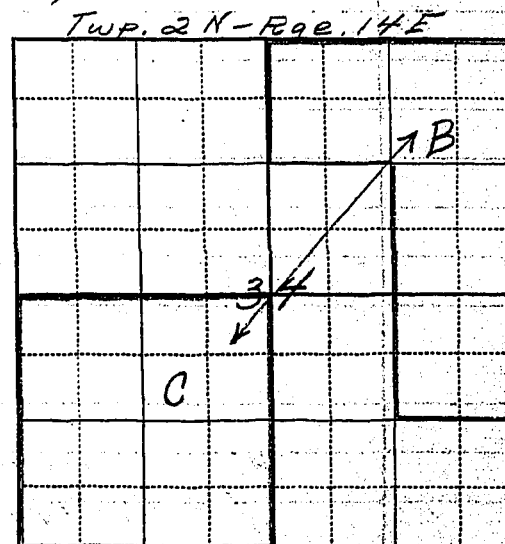
Creeks bottom & bench land

Information From

W.E. Bruffey

Remarks

say if he could get all water from
Swamp Cr. he could irrig. whole farm.



① Gets water from O'Rourke - Bruffy ditch
on east side of Big Timber Creek.

② Does some irrigation from Swamp
Creek when water is high.
It has flood water. Has br. from
Long ditch for about 3 yrs.

Irrigates 41 ac. out of Swamp Cr. This is a pasture
in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. where can get the water.

③ Ditch diverts on W bank of Big Timber Creek in SW $\frac{1}{4}$ SE $\frac{1}{4}$
sec. 27 irrigates land in sec. 27.

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass

Code No. 34B-34C

Twp. 2N Rge. 14E

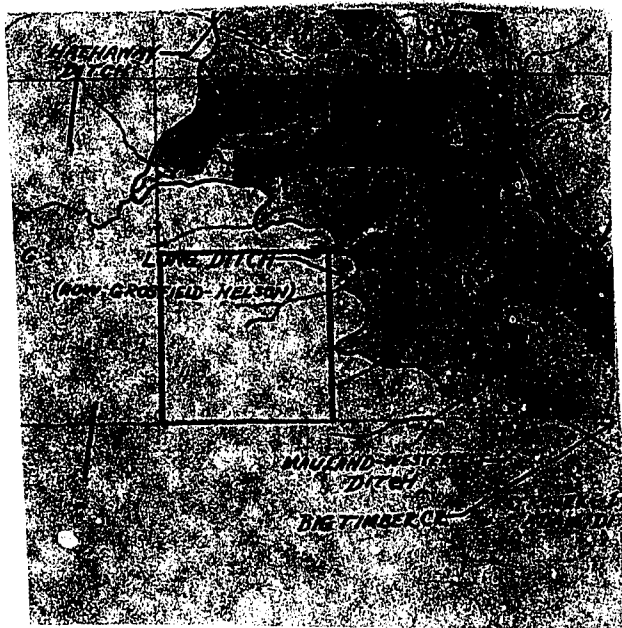
Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner BRUFFEY, WARD E. Address Big Timber

Name of Operator same Address "

Legal Description _____



Code No. <u>34B</u>	System <u>Bruffey Ditch</u>	Source of Water <u>Big Timber Creek</u>
Basin <u>Big Timber Creek</u>	Present <u>37</u> Potential <u>0</u> Maximum <u>37</u>	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u> S <u>✓</u>
Code No. <u>14B</u>	System <u>Long Ditch (Nelson-Grasfield)</u>	Source of Water <u>Swamp Creek</u>
Basin <u>Big Timber Creek</u>	Present <u>42</u> Potential <u>21</u> Maximum <u>63</u>	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u> S <u>✓</u>
Code No. <u>34B</u>	System <u>O'Rourke-Bruffey Ditch</u>	Source of Water <u>Big Timber Creek</u>
Basin <u>Big Timber Creek</u>	Present <u>9</u> Potential <u>17</u> Maximum <u>26</u>	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u> S <u>✓</u>
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____ Potential _____ Maximum _____	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u> S <u>✓</u>

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

By

Area

Date

Legal

Oper

Water

Size

Origin

Origin

Is the

Is all

Source

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Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER 1M 3-49 17380

By Jim & Bob

Code No. 16A

Area Big Timber Cr.

State Engineer's Office

County Sweet Grass

WATER RESOURCES SURVEY

T. 2N R. 14E Sec. 16

Date April 25, 1950

Photo No. MA-11A-206

Legal Land Owner Drivdahl, Emil

Address Big Timber

Operator Same

Address "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System Holbrook Ditch Pres. 40.0 Pot. ?

Holbrook ditch runs through land that does not use from it. Private ditch. Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company Urdal, Jacob & Gabriel App. No. _____

Original Appropriator, Private Hansen, John P. App. No. 44, D-118, 139

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 Anderson Creek, Big Timber Creek.

Acres Irrigated 19 50, 40.0 ac. approx.

Potential Acres Planimeter Seeped 0

Explain _____

Condition of System Good

Adequate Supply _____ Yes _____ No ☒

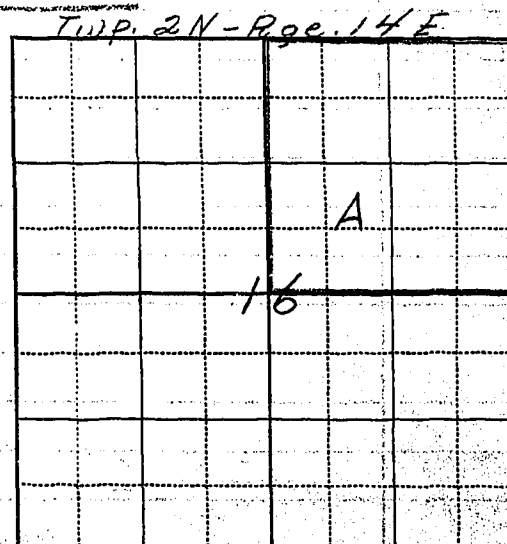
Explain Short of water if year is very dry.

Topography Creek bottom

Information From Emil L. Drivdahl

Remarks Owner in partnership ditch

Information on back.



Prisval has ^(60 inches decreed) $\frac{1}{3}$ share in partnership ditch
with Lien. Lien has ^(120 inches decreed) $\frac{2}{3}$ share in Lien
Hathaway - Urdah ditch.

Form WR-B
Reporter 20168 2M 12-49

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 16A

Twp. 2N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner D. R. V. DAHL, E. M. L. Address Big Timber

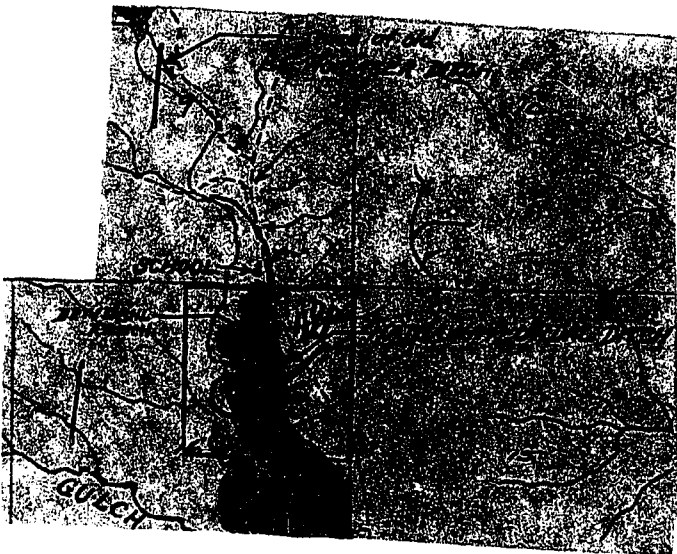
Name of Operator S. M. L. Address " "

Legal Description _____

☐ Irrigated Land

☐ Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities



Code No. 16A System Hathaway-Urdal Ditch Source of Water Big Timber Creek
Basin Big Timber Creek Present 18 Potential 0 Maximum 48 R. X F. P G. X S.
Code No. 16A System Hauge Ditch Source of Water Big Timber Creek
Basin Big Timber Creek Present 0 Potential 3 Maximum 3 R. X F. P G. X 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 _____

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Farm Checked

By JC & MT

Area Swamp Cr.

Date 7-21-50

Legal Land Owner Grosfield, Clara

Operator Same

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System 1 private ditch Pres. _____ Pot. _____

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private none shown 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 Swamp Creek

Acres Irrigated 19 _____

Potential Acres _____ Seeped _____

Explain _____

Condition of System Good

Adequate Supply _____ Yes _____ No ☒

Explain Creek gets low in late summer

Topography Bench land

Information From Clara Grosfield

Remarks - over -

Sec 20 No irrigation

Sec 28 ditch diverted on north side of Swamp Cr.
100 yds west of west line of sec. 28 runs
into the north 1/4 of sec. 28 and irrigates some
land. the ditch is in good condition and is
in use.

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 2 North Range 14 East County Sweet Grass

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

Township _____ Range _____

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REFERENCES

STATE OF MONTANA

State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass

Code No. _____

20A-28A-28C

Twp. 2N Rge. 2E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner. GROSFELD, CLARR Address. Big Timber

Name of Operator Sauze Address 11

Legal Description.....



Irrigated Land



Non-Irrigated Land

North



Potential Land Under Existing Facilities



Code No. 38A System Grassfield Ditch Source of Water Swamp Creek

Basin Big Timber Creek Present 10 Potential 0 Maximum 10 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 REPORTER 1M 3-49 1738C

STATE OF MONTANA

Code No. 8A

State Engineer's Office

County Sweet Grass

WATER RESOURCES SURVEY

T. 2N R. 14E Sec. 8

Grosfield, Louis

Photo No. MA-12A-29

Same

Address Big Timber

Address 11 6 11

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System Anderson Ditch Pres. 0 Pot. 242

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity _____

Size and Capacity, Pump, etc..

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private Anderson, Anders O. (A. Wormser) App. No. 75,77, D-58

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,

Acres Irrigated 1950 0

Potential Acres 242 Seeped 0

Explain. _____

Condition of System Very Poor

Adequate Supply..... Yes_____ No_____ ✓

Explain Late decree priority

Topography. Bench land (rocky)

Information From Louis Grosfield

Remarks _____

Twp. 2N-Rge. 14E

(Anderson)

1/ This old ditch picked up waste water
from Tintinger ditch. Has not been used
for many years.

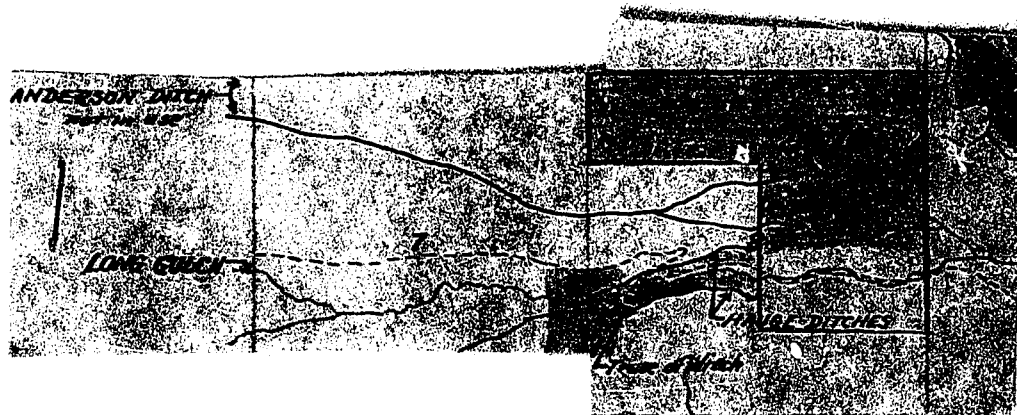
STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County _____
Code No. _____

Twp. 2N Rge. 14E ✓
Twp. 2N Rge. 13E
Twp. 3N Rge. 13E
" 4N " 13E

Name of Land Owner Grosfield, Louis Address Big Timber
Name of Operator Same Address _____
Legal Description _____

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



Code No. 8A System Tintinger-Cavane Source of Water 30 Ft. Big Timber Creek
Basin Big Timber Creek Present 0 Potential 242 Maximum 242 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 Checked

STATE OF MONTANA

FORM F-1 REPORTER: M 3-49 17380

By JC + MT

State Engineer's Office

Code No. 28B

Area Swamp Cr.

WATER RESOURCES SURVEY

County Sweet Grass

Date 7-21-50

T. 2N R. 14E Sec. 28

Photo No. MA-11A-206

Legal Land Owner Grasfield, T. M. est.

Address Big Timber

Operator " Clara or Miles

Address " "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System 3 private ditches Pres. _____ Pot. _____

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private Olsen, Theodore App. No. 736, 737, D-263

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 Swamp Creek,

Acres Irrigated 19 _____

Potential Acres _____ Seeped _____

Explain _____

Condition of System good

Adequate Supply _____ Yes _____ No ☒

Explain Creek gets low in late summer

Topography Creek Bottom + sides

Information From Clara Grasfield

Remarks _____

Twp. 2N - Rge. 14E

① ditch diverts on south side of Swamp Cr.
1/4 mile west of west line of sec 28.
ditch is in good condition and in use on
sec 28

② ditch diverts on south side of Swamp Cr.
at west line of sec 28. ditch is in
good condition and is in use on land
in sec 28

③ ditch diverts on south side of Swamp
Cr. at N-S center line. ditch is in use on
lands in sec 28 and is in good condition.

④ ditch built by Vothaway diverts on south
side of swamp creek 100 yds west of east
line of sec 28. the ditch is in good
condition and is in use on land in sec 28

⑤ ditch diverts on north side of swamp Cr.
100 yds west of west line of sec 28 and is
used on lands in sec 28. ditch is in good
condition.

the water right (D-263) for Sec 28 was
purchased from Briggs and Ellis Co.
before the decree was made

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass

Code No. 28B

Twp. 2N Rge. 14E

Twp. Rge.

Twp. Rge.

Name of Land Owner. GROSEFIELD, T.M. est. Address. Big Timber

Name of Operator. " Address. "

Legal Description. "



Irrigated Land



Non-Irrigated Land



Potential Land Under Existing Facilities

North



Code No. 28B System Grosfield Ditches Source of Water Swamp Creek

Basin Big Timber Creek Present 125 Potential 0 Maximum 125 R. ✓ F. P. G. ✓ S.

Code No. 28B System Long Ditch (Nelson-Grosfield) Source of Water Swamp Creek

Basin Big Timber Creek Present 30 Potential 0 Maximum 30 R. ✓ F. P. G. ✓ S.

Code No. 28B System Hathaway Ditch Source of Water Swamp Creek

Basin Big Timber Creek Present 7 Potential 0 Maximum 7 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

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Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER 1M 3-49 17380

By

Jina + Bob

Code No. 21A-22B, 27A

Area

Big Timber Cr.

County Sweet Grass

Date

April 20, 1950

T. 2N R. 14E Sec. 21, 22, 27

Photo No. MA-11A-206

Legal Land Owner

Hathaway, Vernie G.

Address Big Timber

Operator

Same

Address " "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System All ditches called Hathaway Ditches Pres. _____ Pot. _____

2 ditches on east side of B.T. Cr. (on west side) 250.0 Pot. 150.0

1 ditch from Swamp Cr. - ditch out of McGerry Cr. Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company Hathaway, Maria T. - Riffle, David J. App. No. 102, 103, 122, 126, 547

Original Appropriator, Private Pound, H. C. - Lee, Thomas K. App. No. D-93, D-94, D-95

Is the system an extension of another system? Yes _____ No ✓ D-96, D-97, D-220, D-264

Is all land irrigated from one system? Yes _____ No ✓ 115, 130

(If No, show break down on map)

Source of Water Big Timber Cr., McGerry Cr., Swamp Cr.

Acres Irrigated 19 50 250.0 ac.

Potential Acres 150.0 ac. Seeped 0

Explain Rotates irrigation on fields.

Condition of System Good

Adequate Supply _____ Yes _____ No ✓

Explain On back of form.

Topography Creek bottom & bench land

Information From Vernie G. Hathaway

Remarks Some sub-irrigation

Swamp creek ditch short most of the time
and sometimes its hard to fill ditches
on east side of Big Timber Creek.

McHerry Creek is short of water in later
summer.

When water is fairly short, Hathaway claims
he only gets 176 M.F. of low irrigation.

1) Ditch diverts from McHerry Creek near the center of section 21
ditch catches flood water from Coube and Grofield waste water

2) Ditch diverts from W bank of B.T. Creek in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec 21
runs south along Big Timber bottom, irrigates land in the
E $\frac{1}{2}$ E $\frac{1}{2}$ sec 21.

3) Old Round ditch diverting from W bank of B.T. Creek
in NE + SE $\frac{1}{4}$ sec 21 is not in use

4) Ditch diverts on E bank of B.T. Creek in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec 21
runs south east across the ^{SW} corner of sec 22 and across sec 27 to W sec line
irrigates land in SW $\frac{1}{4}$ sec 22 and E of B.T. Creek in sec 27

5) Ditch diverts from E bank of B.T. Creek in the NW $\frac{1}{4}$ SW $\frac{1}{4}$
sec 22, runs SE to the SE corner sec 27, irrigates land
in sec 22 (SW $\frac{1}{4}$) and E of B.T. Creek in sec 27

6) Ditch diverts from S bank of Swamp Creek near E line of sec 28
runs SE into sec 27, irrigates land NE of B.T. Creek in sec 27

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 2 North Range 14 East County Sweet Grass

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

Township _____ Range _____

Township 2 North Range 14 East County Sweet Grass

[illegible]

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 21A-22B-27A

Twp. 2N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner HATHAWAY VALLEY CO. Address Big Timber

Name of Operator Savage Address _____

Legal Description _____



Irrigated Land



Non-Irrigated Land



Potential Land Under Existing Facilities

North



Code No. 21A System Ed Hauge Ditch Source of Water Big Timber Creek

Basin Big Timber Creek Present 0 Potential 28 Maximum 28 R ✓ F ✓ P ✓ G ✓ S ✓

Code No. 21B System Hathaway Ditches Source of Water Big Timber Co.

Basin Big Timber Co. Present 267 Potential 33 Maximum 330 R ✓ F ✓ P ✓ G ✓ S ✓

Code No. 21C System Hathaway Ditch Source of Water McGerry Creek

Basin Big Timber Creek Present 14 Potential 0 Maximum 14 R ✓ F ✓ P ✓ G ✓ S ✓

Code No. 21D System Grosfield Ditch Source of Water Tramp Creek

Basin Big Timber Co. Present 0 Potential 23 Maximum 23 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 _____

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass

Code No. _____

213-223-274

Twp. 2N Rge. 14E

Twp. _____ Rge. _____

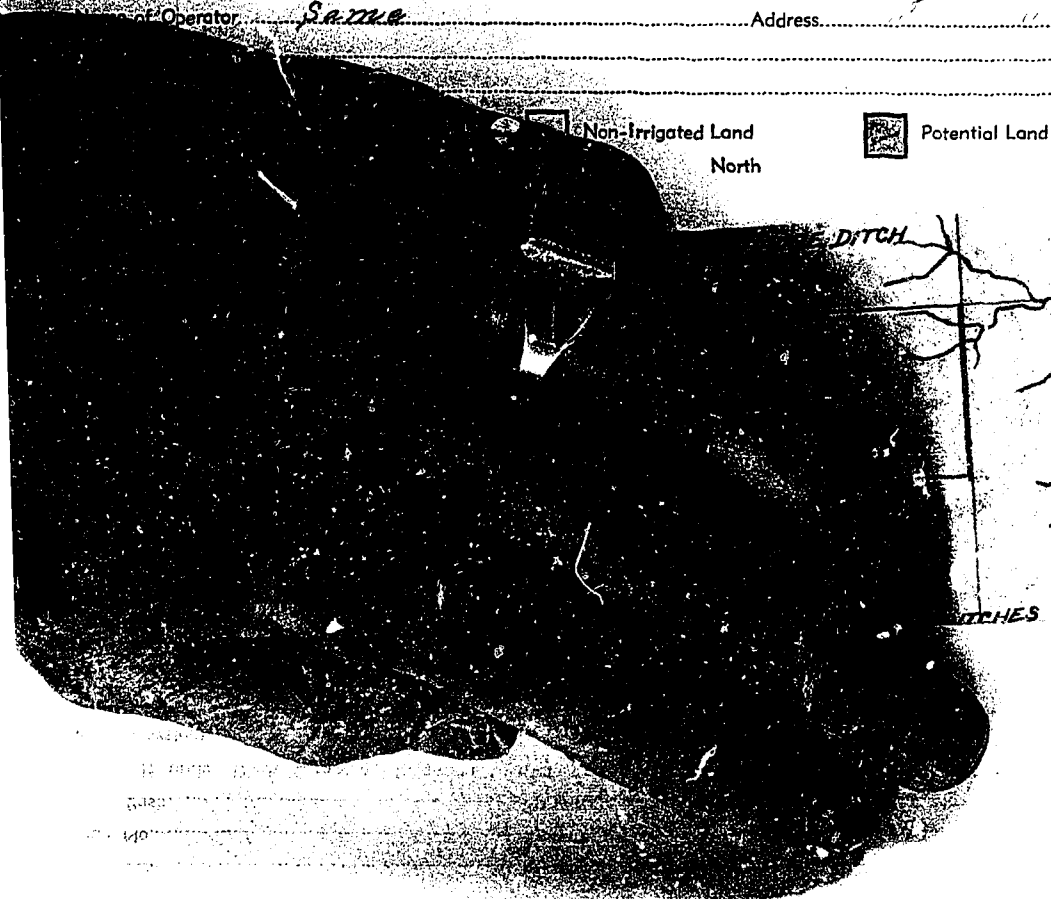
Twp. _____ Rge. _____

Name of Land Owner HATHAWAY, VERLIE G. Address Box 11, Tinker

Name of Operator Same Address " "

☐ Non-Irrigated Land
North

☐ Potential Land Under Existing Facilities



DITCH
DITCHES

Code No. <u>213</u>	System <u>Under a Ditch</u>	Source of Water <u>Swamp Creek</u>
Basin <u>14E</u>	Present <u>17</u> Potential <u>18</u> Maximum <u>29</u>	R. <u>x</u> F. <u> </u> P. <u> </u> G. <u>x</u> S. <u> </u>
Code No. <u>214</u>	System <u>Under a Ditch</u>	Source of Water <u>Swamp Creek</u>
Basin <u>14E</u>	Present <u> </u> Potential <u>23</u> Maximum <u>23</u>	R. <u>x</u> F. <u> </u> P. <u> </u> G. <u>x</u> S. <u> </u>
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____ Potential _____ Maximum _____	R. <u> </u> F. <u> </u> P. <u> </u> G. <u> </u> S. <u> </u>
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____ Potential _____ Maximum _____	R. <u> </u> F. <u> </u> P. <u> </u> G. <u> </u> S. <u> </u>

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 _____