

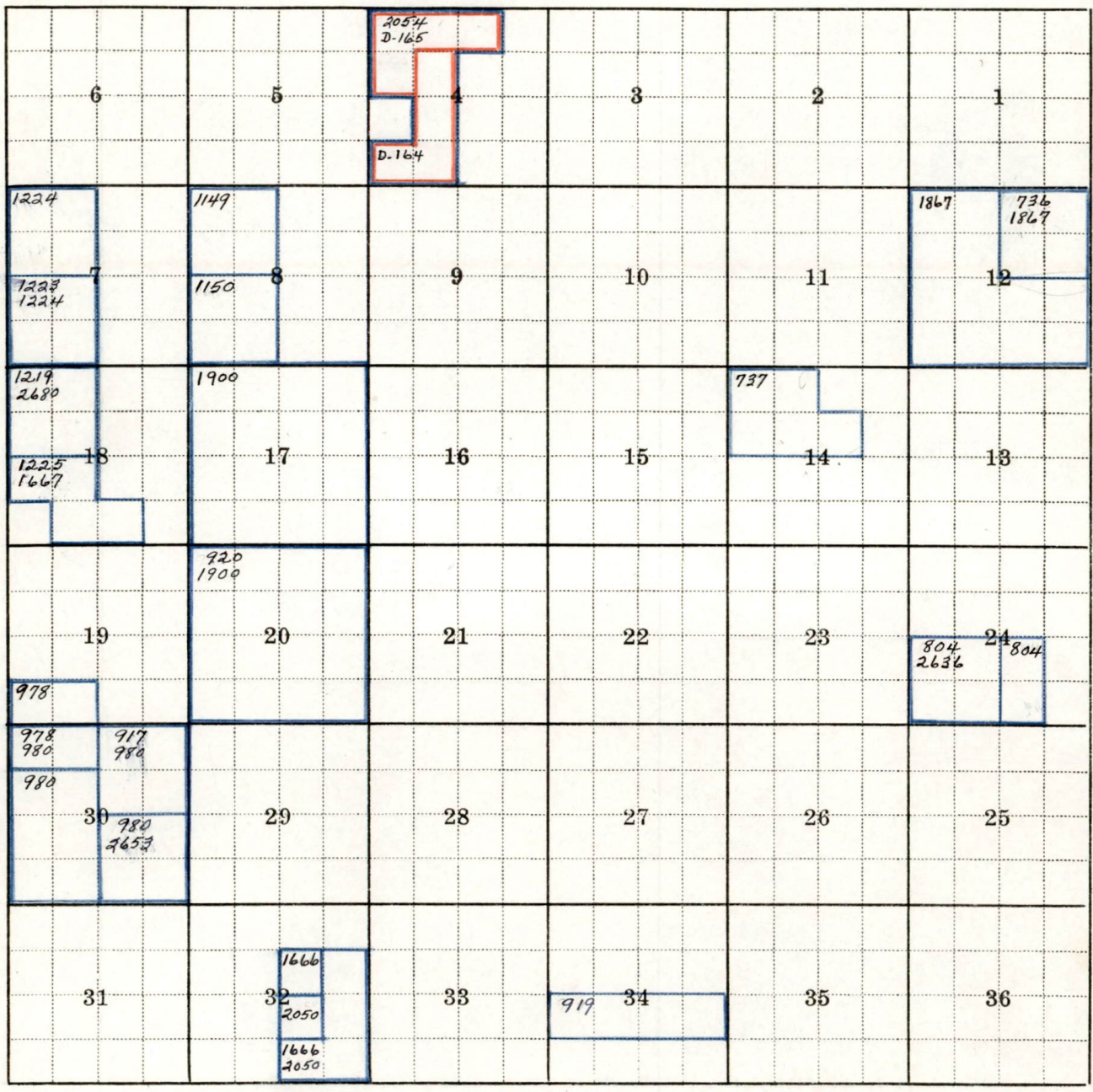
Township 10 North - Range 8 East

Code No.	Owner	Operator
1a, 3a, 10a, 11a, 13a, 14a, 14b, 24a	Bair Company	
5a, 6a, 7a, 8a, 17a, 18a, 19a, 20a, 21a, 29a, 30a, 31a, 32a, 33a	Castle Mtn. Livestock Co.	
24b	Harris, Lottie A.	
4a, 8b, 9a	Meachen, Florence	

STATE OF MONTANA
STATE ENGINEER'S OFFICE
WATER RESOURCES SURVEY

36

Township 10 North Range 8 East County Meagher



Township 10 North Range 8 East

Township 10 North, Range 8 East

<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>
736 ✓	Newkirk, Alice	Divide Creek	7-31-86	7-31-86	200
737 ✓	Wheeler, R. L.	Divide Creek	8-2-86	10-20-86	300
804 ✓	Harris, William W.	Eight Mile Creek	6-1-90	1-27-91	300
917 ✓	Allen, Edgar L.	Five Mile Creek	5-6-91	5-26-91	100
919	Harris, Charlotte	Five Mile Creek	6-25-00	8-21-01	160
920 ✓	Shephard, Edward C.	Five Mile Creek	9-22-98	9-22-98	200
978 ✓	Danzer, Geo. F.	Four Mile Creek	4-21-92	4-21-92	400
✓980 ✓	Danzer, Henry	Four Mile Creek	4-15-00	5-15-02	250
✓1149 ✓	Cliff, George J.	Ice Creek	3-2-10	3-2-10	160
✓1150 ✓	Wheeler, Raymond L.	Ice Creek	9-24-92	10-5-92	200
1219 ✓	Maher, Wm. T.	Lake Creek	9-15-05	5-6-07	50
✓1223 ✓	Stubbs and Wheeler	Lake Creek	6-1-97	9-2-03	100
✓1224 ✓	Stubbs & Wheeler	Lake Creek	5-1-96	9-2-03	160
1225	Wheeler, Raymond L.	Lake Creek	5- -86	12-26-93	150
1666 ✓	Reed, Margaret	Reed's Coulee	4-4-00	3-5-04	60
1667	Wheeler, Raymond	Reese Creek	12-18-93	12-26-93	150
1867 ✓	Harris, Orville	Smith River	7-9-04	7-15-04	600
1900 ✓	State Water Cons. Board	Smith River	8-20-35	10-23-35	All
2050 ✓	Reed, Margaret I.	Stud Horse Creek	4-4-00	4-5-00	200
2054 ✓	Westcott, Florence <i>now Florence Meachen</i>	Stud Horse Creek	-1900	10-31-11	300
2636 ✓	Harris, William A.	Unnamed Spring	6-1-90	1-27-91	50
2653 ✓	Hughes, L. B.	Unnamed Spring	8-29-10	8-30-10	200
2680 ✓	Maher, William T.	Unnamed Spring	9-15-05	5-6-07	20
D-165 ✓	Geis, Louis <i>Meachen</i>	Studhorse Creek	4- 1888		75
D-164 ✓	Geis, Louis	Studhorse Creek	-1883		45

10-8

Also Filed in #27, #28

FORM F-1 REPORTER 1M 3-49 1738C

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 1A, 3A, 10A, 11A, 13A, 14A, 14B
24A

County Meagher

T. 10N R. 8E Sec. 1, 3, 10, 11, 13, 14
24

Photo No. MA-38 177,178

By J. Cook

Area Divide Cr.

Date Sept. 7, 1949

Legal Land Owner Bair Company

Address Martinsdale

Operator Same

Address _____

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres _____ Pot _____

Irrigation District _____ Pres. _____ Pot. _____

Private System ☒ Pres. 0.0 Pot. 323.0

[illegible]

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private R. L. Wheeler, No filing on Orville Harris ditch App. No. 737

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 Divide Crk. & Smith River (N. Fork)

Acres Irrigated 1949, 0

Potential Acres 323.0 Seeped _____

Explain has no right in Harris Ditches & does not buy Sutherland Water

Condition of System out of use Harris ditch fair.

Adequate Supply..... Yes _____ No ☒

Explain. See exp. for potential

Topography Divide Cr bottom

Information From Field Survey & Cliff Walter

Remarks Co. would have to obtain r. of way in Orville
Harris ditch out of Smith River, buy L. Sutherland water
to irr. pot. land.

See Attached

Map

[illegible]

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 10 N Range 8 E County Meagher

6	5	4	3 A	2 not	1 A
7	8	9	10 A	11 A	12 out
18	17	16	15	14 A	13 A
19	20	21	22	23	24 A
30	29	28	27	26	25
31	32	33	34	35	36

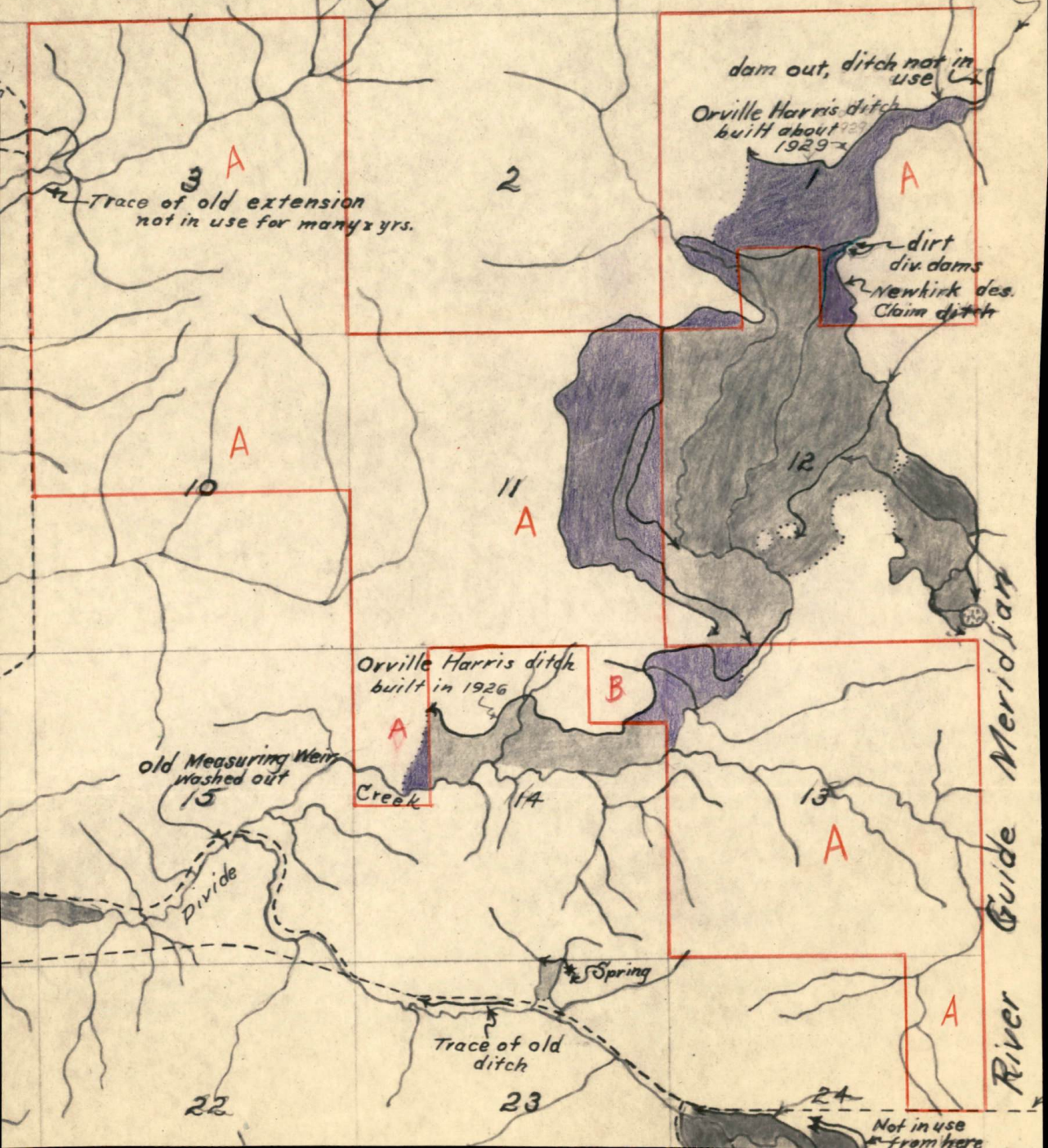
Bair Co.

Township 10 N Range 8 E

is ditch

T. 10 N - R. 8 E

Divide
Creek



State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Meagher
Code No. 1A, 3A, 10A, 11A, 13A
14A, 14B, 24A

Twp. 11N Rge. 8E #27
Twp. 11N Rge. 9E #28
Twp. 10N Rge. 8E #36 ✓

Name of Land Owner Bair Company Address Martinsdale
Name of Operator _____ Address _____
Legal Description _____



Irrigated Land



Non-Irrigated Land

North



Potential Land Under Existing Facilities

Code No. 1A, 11A, 13A, 14A, 14B System Harria Ditches Source of Water No. Fk. Smith River
Basin No. Fk. Smith River Present 0 Potential 314.0 Maximum 314.0 R. ✓ F. ✓ P. ✓ G. ✓ S. ✓
Code No. 1A System New Kirk Des. Claim Ditches Source of Water No. Fk. Smith River
Basin No. Fk. Smith River Present 0 Potential 9.0 Maximum 9.0 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 A. L. B. Date 5/25/50

Farm Checked

By _____

Area _____

Date _____

Legal Land Owner Bair Co

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 19 _____

Potential Acres _____ Seeped _____

Explain _____

Condition of System _____

Adequate Supply _____ Yes _____ No _____

Explain _____

Topography _____

Information From _____

Remarks _____

FORM F-1 - GAZETTE 1665-2M-1-47

Code No. 1A, 3A, 10A, 11A

County Meagher

T. 10 N R. 8 E Sec. _____

Photo No. MA-14-163

10 N - 8 E

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 10N Range 8E County _____

6	5	4	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

Bair Co. own-opSec 9, 10A, 11, 13, 14A, 14B, 24Ano appropriations listedTownship 10N Range 8E

Farm Checked

By Oravetz-Bille

Area White Sul. Sprs.

Date 6/7/50

Legal Land Owner Castle Mtn. Livestock Co

Operator " " " "

Water is delivered by:

Federal Project

Pres.

Pot.

Ditch Company

Pres.

Pot.

Irrigation District

Pres.

Pot.

Private System yes

Pres.

Pot.

Totals

Flood ☒

Pump

Reservoir ☒

Gravity ☒

Size and Capacity, Pump, etc.

Original Appropriator, Company

App. No.

Original Appropriator, Private See other side of sheet

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 Four Mile Creek, North Fk. Smith River (From Lake Sutherland Res) Lake Cr, Ice Cr.

Acres Irrigated 19

Potential Acres Seeped some

Explain on four mile

Condition of System Fair - good - not in use

Adequate Supply Yes ☒ No ☒

Explain yes - on Smith with stored water

Topography River Bottoms + Hills

Information From Walter Donahoe

Remarks

FORM F-1 REPORTER IM 3-49 17380

5A, 6A, 7A, 8A, 17A, 18A

Code No. 19A, 20A, 21A, 22A, 30A,

31A, 32A, 33A

County Meagher

T. 10N R. 8E Sec. Above

Photo No. MA-39-84
MA-39-85

Address White Sul. Sprs.

Address

(Master form)

See Attached Map

See Attached Sheet for Details
(over)

<u>App No.</u>	<u>Name of App.</u>	<u>Stream</u>	<u>Date of Priority</u>	<u>M.I.</u>
✓ 917	Allen, Edgar L.	Five Mile Cr.	5-6-91	100
✓ 920	Shepherd, Edward C.	" " "	9-22-98	200
✓ 978	Danzer, Geo. F.	Four Mile Cr.	4-21-92	400
✓ 980	Danzer, Henry	" " "	5-15-00	250
✓ 1149	Cliff, George J.	Ice Cr.	3-2-10	160
✓ 1150	Wheeler, Raymond L.	" "	9-24-92	200
✓ 1219	Maher, W ^m T.	Lake Cr.	9-15-05	50
✓ 1223	Stubb & Wheeler	" "	6-1-97	100
✓ 1224	" "	" "	9-2-03	160
✓ 1666	Reed, Margaret	Reed's Coulee	4-4-00	60
✓ 1900	State Water			
	Cons. Board	Smith River	8-20-35	711
✓ 2050	Reed, Margaret I.	Stud Horse Cr.	4-4-00	200
✓ 2653	Hughes, L. B.	Unnamed Spring	8-29-10	200
✓ 2680	Maher, W ^m T.	" "	9-15-05	20

See Master Copy for complete details
of water rights.

Transfer Deed Date 12-15-69 BK 97-Pg 168
Castle Mountain Cattle Co to Ward Paper Box Co.

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 10 North Range 8 East County Meagher

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

Castle Mtn. Livestock Co.

Township 10 N Range 8 E

①

Castle Mt. Livestock Co

T. 10 N - R. 8 E

Four Mile Creek

Henry F. Danzer Ditch

Point of Diversion - Near the Center of the South line of Sec. 36 on the right bank T. 10 N - R. 7 E.

Ditch covers lands in Sections 25, 36 T. 10 N - R. 7 E and Sections 19, 30 T. 10 N - R. 8 E.

In the Eastern part of Section 25, T. 10 N - R. 7 E there is approximately 40 Acres of Alfalfa being Irrigated. All other lands under ditch are ditched and are shown as potential Irrigation

<u>Name of App.</u>	<u>Appropriation No.</u>	<u>Date of Priority</u>	<u>No. of Inches</u>
Henry Danzer	980	4-15-1900	250

Note:

Lands being Irrigated June 5th 1950

Four Mile Creek

George F. Danzer Ditch

Point of Diversion - N² Sec. 36 T. 10 N - R. 7 E

Ditch covers lands in Sections 25 and 36 T. 10 N - R. 7 E

<u>Name of App.</u>	<u>App. No.</u>	<u>Date of Priority</u>	<u>No. of Inches</u>
George F. Danzer	978	4-21-1892	400

continued -

(2)

Castle Mtn. Livestock Co

Four Mile Creek

Arthur Sias Ditch

Point of Diversion - In South half Section 25 on the
left bank T.10N-R.7E

Irrigates land in Sections 25 & 26 T.10N-R.7E

Name of App.	App. No	Date of Priority	No. of Inches
Arthur Sias	981	3-19-85	300

Four Mile Creek

Private Ditch

Point of Diversion - Near North line Section 1 T.9N-R.7E

Irrigates land in Section 36 T.10N-R.7E

Name of App.	App. No	Date of Priority	No. of Inches
No data for individual ditch			

Note:

Four Mile Creek is a Intermittent Stream

(3)

Castle Mtn Livestock Co

Lake Creek

Neff Ditch

Point of Diversion - NW⁴ NW⁴ Sec. 7 on west bank
in T. 10 N - R. 8 E

Irrigates land on west side of Creek in Sec. 7

Name of App.	App. No.	Date of Priority	No. of Inches
	1220	5-21-1882	500
M. L. Neff	1221	8-16-1888	All

Lake Creek

Stubbs & Wheeler Ditch

Point of Diversion - NW⁴ NW⁴ Sec. 7 on East bank
in T. 10 N - R. 8 E

Irrigates land on East side of Creek in Sec. 7

Name of App.	App. No.	Date of Priority	No. of Inches
Stubbs & Wheeler	1223	6-1-97	100
"	1224	5-1-96	160

Lake Creek

Neff Ditch (Not in Use)

Point of Diversion - SE⁴ Sec. 1 T. 10 N - R. 7 E

Potential land in Sec. 12 T. 10 N - R. 7 E

Name of App.	App. No.	Date of Priority	No. of Inches
	1220	5-21-82	500
M. L. Neff.	1221	8-16-88	All

(4)

Castle Mtn. Livestock Co

Ice Creek

Wheeler Ditches

Point of Diversion - Near NW⁴NW⁴ Sec. 8 T. 10N-R. 8E

Potential land in Sections 5 & 8 T. 10N-R. 8E

Ditches Not in Use for many years.

Name of App.	App. No.	Date of Priority	No. of Inches
Raymond L. Wheeler	1150	9-24-92	200
Geo. J. Cliff	1149	3-2-10	160

Trout Creek

Zebble Ditch - not in use for many years

Point of diversion - near the south line of NW⁴SW⁴,
Sec. 22, on west bank of creek in T. 10N-R. 7E.

Potential land is located in W²SW⁴, Sec. 22, T. 10N-R. 7E.

Name & App.	App. No.	Date of Priority	No. of Inches.
John W. Zebble	2183	8-24-08	100

Basin Creek - See original appropriation book
for point of diversion.

⑤

Castle Mtn. Livestock Co.

North Fork Smith River -

Buys 2400 Acre ft. from Smith River Water Users Assn.

Castle Mtn. Livestock Co. Ditch No. 1.

Point of Diversion - SE⁴ Section 19 T. 10 N - R. 8 E
on North Side of River.

Irrigates land in Sec. 19 T. 10 N - R. 8 E and Sec. 24
T. 10 N - R. 7 E

Castle Mtn. Livestock Co. Ditch No. 2

Point of Diversion - SE⁴ Sec. 19 T. 10 N - R. 8 E
on South Side of River

Irrigates land in Sections 19 + 30 T. 10 N - R. 8 E
and Section 25 T. 10 N - R. 7 E

⑥

Castle Mtn. Livestock Co.

North Fork Smith River -

Buys 2400 Acre ft. from Smith River Water Users Assc.

Danzer Ditch - (now Cas. Mtn. Livestock Co. ditch)

Point of Diversion - NE⁴NE⁴, Sec. 26, T10N-R7E near the north line on north bank.

Irrigates land in Sec. 20, 26, 27, 33 & 34 in T10N-R7E. and Sec. 4 T9N-R7E.

Name of App.	App. No.	Date of Priority	No. of Inches.
Geo. F. Danzer	1854	9-6-79	500
" "	1855	9-29-97	200

Decrees: No.

D-127	Geo. F. Danzer	10	1878	50
D-128	" "	11	1879	125
D-129	" "	12	1879	275

North Fork Smith River

Kiehl Ditch - (now Cas. Mtn. Livestock Co. ditch)

Point of diversion - SE⁴SE⁴, Sec 27, T10N-R7E on west bank of creek.

Irrigates land in Sec. 27, 33, & 34 T10N-R7E.

Name of App.	App. No.	Date of Priority	No. of Inches
J. H. Kiehl	1872	1-24-83	160

Decree:

D-141	Henry Kiehl	19	1881	160
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(7)

North Fork Smith River - Lake Sutherland

Castle Mtn. Livestock Co. Ditch

(from Water Board Canal) (All stored water)

Point of diversion - SW⁴SW⁴, Sec 26, T10N-R7E, near north line on west side of Water Board Canal.

Irrigates lands in Sec 26, 27 & 34 T10N-R7E and Sec. 3 in T9N-R7E. Potential land in Sec. 9 T9N-R7E.

Unnamed Coulee (Fed by unnamed springs)

Old ditch - not in use

Point of diversion - NW⁴SE⁴, Sec 15, T9N-R7E on west bank.

Potential land located in Sec 9, T9N-R7E.

(8)

Castle Mt. Livestock Co. also has the following decrees which have not previously been listed.

+ D-185	16	Robt Hanson, Est.	6- - 80	100 M.I.
✓ D-135	25	Robt Hanson, Est.	1882	40 M.I.
✓ D-136	27	" " "	5-1-1883	125 "
✓ D-130	29	Geo. F. Danzer	6- - 83	100 "
✓ D-137	30	Robt Hanson, Est.	8- - 84	60 "
✓ D-143	19	William Luppold	1882	400 "

7.5
40
300.5

10-8

Farm Checked

STATE OF MONTANA

Code No. 8A, 5A

By J.E.C.

STATE ENGINEER'S OFFICE

County Meagher

Area Ice Creek

WATER RESOURCES SURVEY

T. 10N R. 8E Sec. 8

Date _____

Photo No. MA-3984

Legal Land Owner Castle Mountain Livestock Co.

Address W.S.S.

Operator _____

Address _____

Water is delivered by:

Federal Project _____	Pres. _____	Pot. _____
Ditch Company _____	Pres. _____	Pot. _____
Irrigation District _____	Pres. _____	Pot. _____
Private System ☒	Pres. <u>0</u>	Pot. _____
Totals _____		
Flood _____	Pump _____	Reservoir _____
		Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private George Cliff; Raymond L. Wheeler App. No. 1149; 1150

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 Ice Creek

Acres Irrigated 19 49, 0

Potential Acres _____ Seeped 0

Explain _____

Condition of System run down, not in use for many years

Adequate Supply _____ Yes ☒ No _____

Explain creek is spring-fed probably runs all year

Topography valley bottom & slope

Information From Field Survey

Remarks no ditch found in SW 1/4 sec 8
may be silted full

? Does J.E.C. mean
no ditch found in NW 1/4
of section 8?
Or SW 1/4 of section 5?
= Fred Clark
8-30-05

Also Filed in #35, #44

FORM F-1 - GAZETTE 1665-2M-1-47

Farm Checked

STATE OF MONTANA

Code No. 5A, 6A, 8A,
19A, 30A, 29A, 7A

By J. E. C.

STATE ENGINEER'S OFFICE

County Meagher

Area Four Mile Creek

WATER RESOURCES SURVEY

T. 10 N R. 8 E Sec. 19 & 30

Date Oct. 3rd 48th, 1949

Photo No. MA-3985

Legal Land Owner Castle Mountain Livestock Co. Address W.S.S.

Operator _____ Address _____

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System ☒ Pres. 297.0 Pot. 282.0

Totals_____

Flood ☒ Pump ☐ Reservoir ☐ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private Geo. F. Danzer; Henry Danzer App. No. 978, 980

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 Four Mile Creek, unnamed Coulee

Acres Irrigated 19 49, 297.0

Potential Acres 282.0 Seeped _____

Explain_____

Condition of System Needs some work at diversion

Adequate Supply — Yes _____ No ☒

Explain depends on rainfall

Topography Valley Slope.

Information From Field Survey.

Remarks _____

See Attached

map

Ditch out of Four Mile Cr. in this township is the
Henry Danzer flood ditch

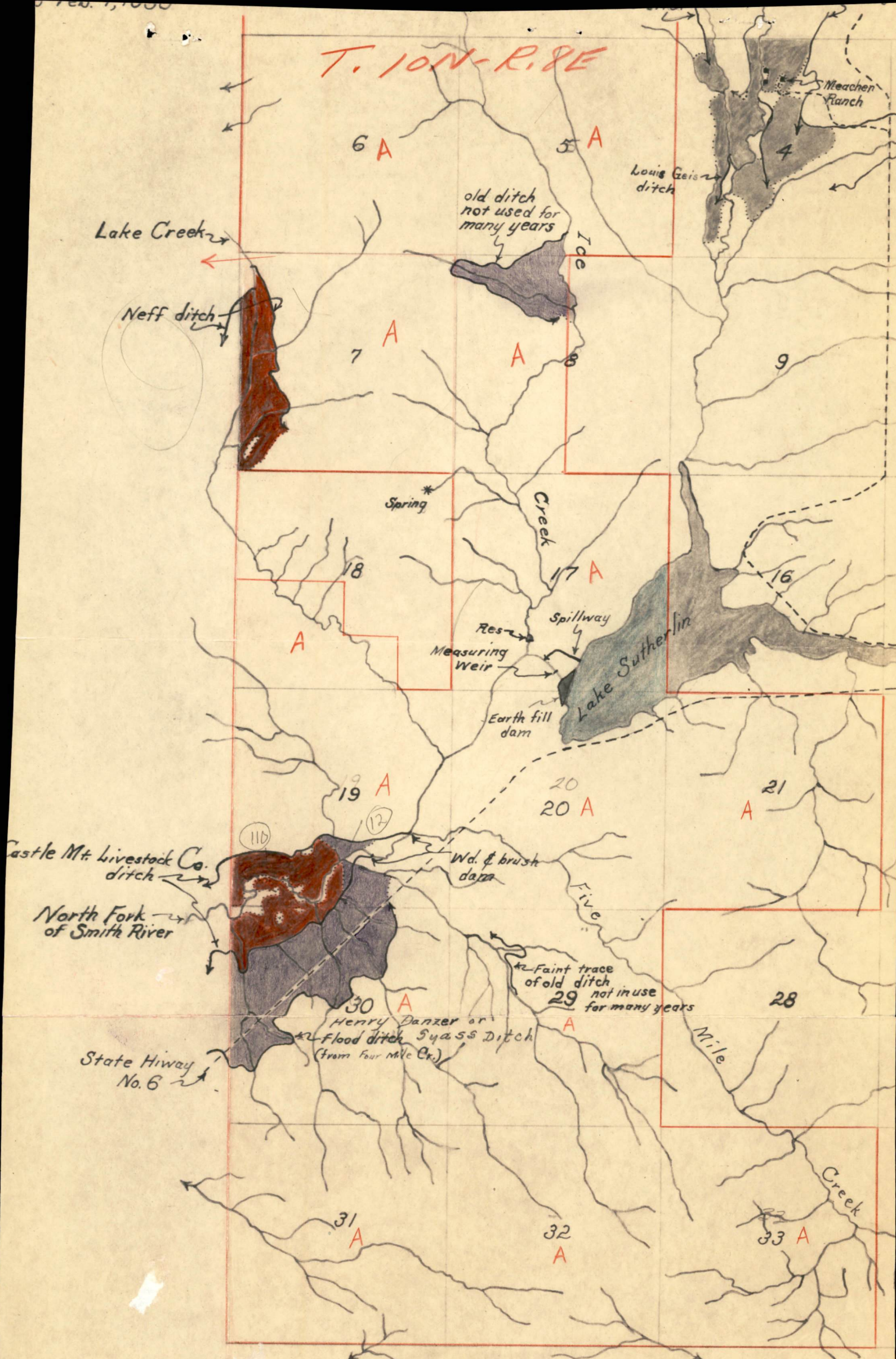
Faint trace of an old ditch diverted from
unnamed Coulee near the center of sec 29, has not been
used for many years

No ditch found in sec 20 out of Five Mile Cr. in sec 20.

Intermittent

CIVIL ENGINEER'S OFFICE

T. 10N-R. 8E



State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Meagher

Code No. 5A, 6A, 8A, 19A

29A, 30A,

Does not include dry land

Twp. 10N Rge. 7E #35

Twp. 10N Rge. 8E #36 ✓

Twp. 9N Rge. 7E #44

Name of Land Owner Castle Mt Livestock Co Address White Sulphur Springs

Name of Operator Same Address _____

Legal Description _____



Irrigated Land



Non-Irrigated Land



Potential Land Under Existing Facilities

North

Code No. 7A System Neff Ditch Source of Water Lake Creek

Basin No. Fk Smith River Present 18.0 Potential 0 Maximum 18.0 R. ✓ F. ✓ P. ✓ G. ✓ S. ✓

Code No. 7A System Private Ditch Source of Water Lake Creek

Basin No. Fk Smith River Present 69.0 Potential 0 Maximum 69.0 R. ✓ F. ✓ P. ✓ G. ✓ S. ✓

Code No. 5A, 8A System old Ditch (Not in Use) Source of Water Ice Creek

Basin No. Fk Smith River Present 0 Potential 67.0 Maximum 67.0 R. ✓ F. ✓ P. ✓ G. ✓ S. ✓

Code No. 19A, 30A System Castle Mt. Livestock Co. Ditches (Lake Butcher in) Source of Water No. Fk Smith River

Basin No. Fk Smith River Present 110.0 Potential 122.0 Maximum 122.0 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 H. L. B. over Date 5/25/50

Code No. 19A, 30A System Danzer Flood Ditch Source of Water Four Mile Cr

Basin No. Fk Smith River Present 0 Potential 203.0 Maximum 203.0 R. ✓ F. ✓ P. ✓ G. ✓ S. ✓

Code No. 29A System old Ditch (Not in Use) Source of Water Unnamed Coulee

Basin No. Fk Smith River Present 0 Potential 0 Maximum 0 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 H. L. B. over Date 5/25/50

STATE OF MONTANA

FORM F-1 REPORTER 1M 3-49 17380

By J. E. C.

Code No. 24B

Area Eight Mile Cr

County Meagher

Date Sept. 8, 1949

T. 10N R. BE Sec. 24

Legal Land Owner. Harris, Lottie A. Address White Sulphur Springs

Operator Same Address _____

Water is delivered by:

State _____
Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System ☒ Reg. _____ Pres. 235.0 Pot. 554.0

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	Totals
1. Total number of persons employed by the Government of Canada	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	10,000,000
2. Number of persons employed in the public service	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	5,000,000
3. Number of persons employed in the private sector	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	5,000,000
4. Number of persons employed in the manufacturing industry	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
5. Number of persons employed in the service industry	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
6. Number of persons employed in the agricultural industry	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
7. Number of persons employed in the construction industry	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
8. Number of persons employed in the health services industry	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	200,000
9. Number of persons employed in the education industry	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000
10. Number of persons employed in the social services industry	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000
11. Number of persons employed in the cultural industry	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
12. Number of persons employed in the transportation industry	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,000
13. Number of persons employed in the communication industry	500	500	500	500	500	500	500	500	500	500	5,000
14. Number of persons employed in the energy industry	200	200	200	200	200	200	200	200	200	200	2,000
15. Number of persons employed in the environmental industry	100	100	100	100	100	100	100	100	100	100	1,000
16. Number of persons employed in the information industry	50	50	50	50	50	50	50	50	50	50	500
17. Number of persons employed in the space industry	20	20	20	20	20	20	20	20	20	20	200
18. Number of persons employed in the defense industry	10	10	10	10	10	10	10	10	10	10	100
19. Number of persons employed in the nuclear industry	5	5	5	5	5	5	5	5	5	5	50
20. Number of persons employed in the telecommunications industry	2	2	2	2	2	2	2	2	2	2	20
21. Number of persons employed in the computer industry	1	1	1	1	1	1	1	1	1	1	10
22. Number of persons employed in the biotechnology industry	1	1	1	1	1	1	1	1	1	1	10
23. Number of persons employed in the nanotechnology industry	1	1	1	1	1	1	1	1	1	1	10
24. Number of persons employed in the artificial intelligence industry	1	1	1	1	1	1	1	1	1	1	10
25. Number of persons employed in the robotics industry	1	1	1	1	1	1	1	1	1	1	10
26. Number of persons employed in the aerospace industry	1	1	1	1	1	1	1	1	1	1	10
27. Number of persons employed in the automotive industry	1	1	1	1	1	1	1	1	1	1	10
28. Number of persons employed in the electronics industry	1	1	1	1	1	1	1	1	1	1	10
29. Number of persons employed in the pharmaceutical industry	1	1	1	1	1	1	1	1	1	1	10
30. Number of persons employed in the food processing industry	1	1	1	1	1	1	1	1	1	1	10
31. Number of persons employed in the textile industry	1	1	1	1	1	1	1	1	1	1	10
32. Number of persons employed in the clothing industry	1	1	1	1	1	1	1	1	1	1	10
33. Number of persons employed in the furniture industry	1	1	1	1	1	1	1	1	1	1	10
34. Number of persons employed in the metalworking industry	1	1	1	1	1	1	1	1	1	1	10
35. Number of persons employed in the machinery industry	1	1	1	1	1	1	1	1	1	1	10
36. Number of persons employed in the electrical equipment industry	1	1	1</								

Flood ✓ Five Mile Cr. Pump _____ Reservoir ✓ Sutherland Gravity ✓

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private Harris, Wm. W. App. No. 804,2636

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: Eight Mile Cr., Five Mile Cr. (See next sheet for Smith Riv.-Divide Cr. System)
Spring

Acres Irrigated 1949, 235.0

Potential Acres 554.0 Seeped _____

Explain _____

Condition of System fair

Adequate Supply..... Yes ☒ *Eight Mile Cr* No ☒ *Five Mile Cr*

Explain Spring fed Cr. irr. wild hay.

Topography Valley bottom & slope

Information From Charlotte Harris

Remarks *Buys 360 A.F. of Lake Sutherland in water*

used partly on Eight Mile & partly on Divide Cr.

See attached
map

ditches on N side of Eight Mile Cr sec 24 (10N 8E) were built by William Harris, also ditches out of Spring & Caulee in sec 26.

Ditch diverted from Eight Mile Cr in sec 25 was built by Arthur & Orville Harris probably about 1894

Ditches in sec 34 (10N 8E) out of Five Mile Cr. were Charlotte Harris desert Claim ditches. They are silted nearly full and have not been used for many years.

Lake Sutherlin supplies prior rights on ^{N.E.} Smith River from water paid for by Lottie Harris in for her to use water for these rights above res.

Ditch from Spring in sec 23, has not been used for several years, no filing.

FORM F-1 REPORTER 1M 3-49 17380

Code No. 1B, 2A, 14C, 22A, 23A, 25A, 26A
27A, 34A

County Meagher

T. 10N R. 8E Sec. 1, 2, 14

Photo No. MA-38-177 & 178

By J. Cook

Area Divide Cr

Date Sept. 7, 1949

Legal Land Owner Harris, Lottie Address White Sulphur Springs

Operator _____ Address _____

Water is delivered by:

State _____
Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System ☒ Pres. Pot.

Totals _____

Flood _____ Pump _____ Reservoir Sutherland Gravity ✓

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private Newkirk, Alice; Harris, Orville App. No. 736, 1867

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 Divide Creek & Smith River (North Fork)

Acres Irrigated 19 49, _____

Potential Acres _____ Seeped _____

Explain small area swampy, low spot, old lake area

Condition of System good.

Adequate Supply..... Yes ☒ No ☐

Explain Supply from N.E. Smith River.

Topography Valley bottom

Information From Lottie Harris and Cliff Walter

Remarks Buys 360 A.E. of water from lake

Sutherland.

[illegible]

Ditch out of Smith River diverts water into
Divide Cr. which carries the water to hand in sections
1 + 12. ^(TION RBE) Ditch was built by Orville & Arthur Harris

According to Cliff Walter, the ditches now in use out of Divide Cr.
were originally the Alice Newkirk desert Claim ditches.

Appropriation by Charlotte Harris out of Five Mile
Creek was desert Claim filing. Has not been used
for several years.

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 10 N Range 8 E County Meagher

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

Handwritten notes on grid:
 - Red outline around sections 12, 13, 14, 22, 23, 24, 25, 26, 27, 34.
 - Arrows pointing from section 12 to 13, 13 to 14, and 14 to 22.
 - "Fair Co" written vertically between sections 11 and 14.
 - "Lottie A. Harris" written across sections 22, 23, and 24.

Lottie A. Harris

Township 10 N Range 8 E

County.

[illegible]

T. 10 N - R 8 E

dam out, ditch not in use
Orville Harris ditch
built about 1929

dirt
div dams
Newkirk des
Claim ditch

Orville Harris ditch
built in 1926

Creek

Spring

Trace of old
ditch

Harris Ranch

Spring

div, no dam

Not in use
from here

divs

div out

Charlotte Harris
flood ditches

divs, out

ditches not
in use for
many years

Five Mile Creek

Eight Mile Creek

Guides Meridian
River
Shields

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Meagher
Code No. 1B, 12A, 14C, 22A
23A, 24B, 25A, 26A, 27A
34A.

Twp. 10N Rge. 8E #36
Twp. _____ Rge. _____
Twp. _____ Rge. _____

Name of Land Owner Lottie A. Harris Address White Sulphur Springs
Name of Operator _____ Address _____
Legal Description _____



Irrigated Land



Non-Irrigated Land



Potential Land Under Existing Facilities

North

Code No. 24B, 25A System Harris Ditches Source of Water Eight Mile Creek
Basin North Fk Smith River Present 40.0 Potential 136.0 Maximum 176.0 R ✓ F ✓ P ✓ G ✓ S ✓
Code No. 23A, 24B, 26A System Harris Ditches Source of Water Soules & Spring Trib. to Eight Mile Creek
Basin North Fk Smith River Present 0 Potential 28.0 Maximum 28.0 R ✓ F ✓ P ✓ G ✓ S ✓
Code No. 34A System Harris Flood Ditches Source of Water Five Mile Creek
Basin North Fk Smith River Present 0 Potential 45.0 Maximum 45.0 R ✓ F ✓ P ✓ G ✓ S ✓
Code No. 1B, 12A, 14C System Harris Ditches Source of Water North Fk Smith River (Stored Water)
Basin North Fk Smith River Present 195.0 Potential 128.0 Maximum 323.0 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 N. L. B Date 5/24/50

Code No. 12A System Newkirk Desert Claim D. Source of Water North Fork Smith River (Stored Water)
Basin North Fork Smith R. Present 0 Potential 217.0 Maximum 217.0 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 _____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 7A, 8A, 9A

County Meagher

T. 10N R. 8E Sec. 4-8-9

Photo No. MA-3984

By L. E. Cook

Area Lake Sutherland

Date Sept. 14, 1949

Legal Land Owner. Florence Meachen

Address White Sulphur Spring

Operator Same

Address _____

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System. ☒ Pres. 101.0 Pot. 73.0

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company_____App. No._____

Original Appropriator, Private Florence Westcott, Louis Geis App. No. 2054, D-164, D-165

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: Studhorse Creek, N.E. Smith River

Acres Irrigated 1949, 101.0

Potential Acres 73.0 Seeped _____

Explain _____

Condition of System Some fair Some out of use

Adequate Supply..... Yes ☒ No ☐

Explain. Buys 100 A.F. of Lake Sutherlin Water

Topography Creek bottom & River bottom & bench

Information From A. J. Fisher

Remarks _____

See Attached
Map

Ditches out of Studhorse Creek & N.E. Smith in this
 twp were built by Louis Geis. Westcott filing covers
 the ditches out of Studhorse Creek

2054	Westcott, Florence (now Florence meadow)	Studhorse Cr.	-1900	300
D-164	Geis, Louis	" "	1883	45
D-165	" "	" "	4-1888	75

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 10 N Range 8 E County Meagher

6	5	4	3	2	1
		US			
		US	A		
7	8	B	9	10	11
			A		
18	17	16	15	14	13
		State Op-P Cattle Man Leases W. Donahoe Bros.	Donahoe		
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meachen, Florence

Township 10 N Range 8 E

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County MeagherCode No. 4A, 8A, 9ATwp. 11N Rge. 8E # 27Twp. 10N Rge. 8E # 28 ✓

Twp. _____ Rge. _____

Name of Land Owner. Florence MeachenAddress White Sulphur Springs

Name of Operator _____

Address _____

Legal Description _____



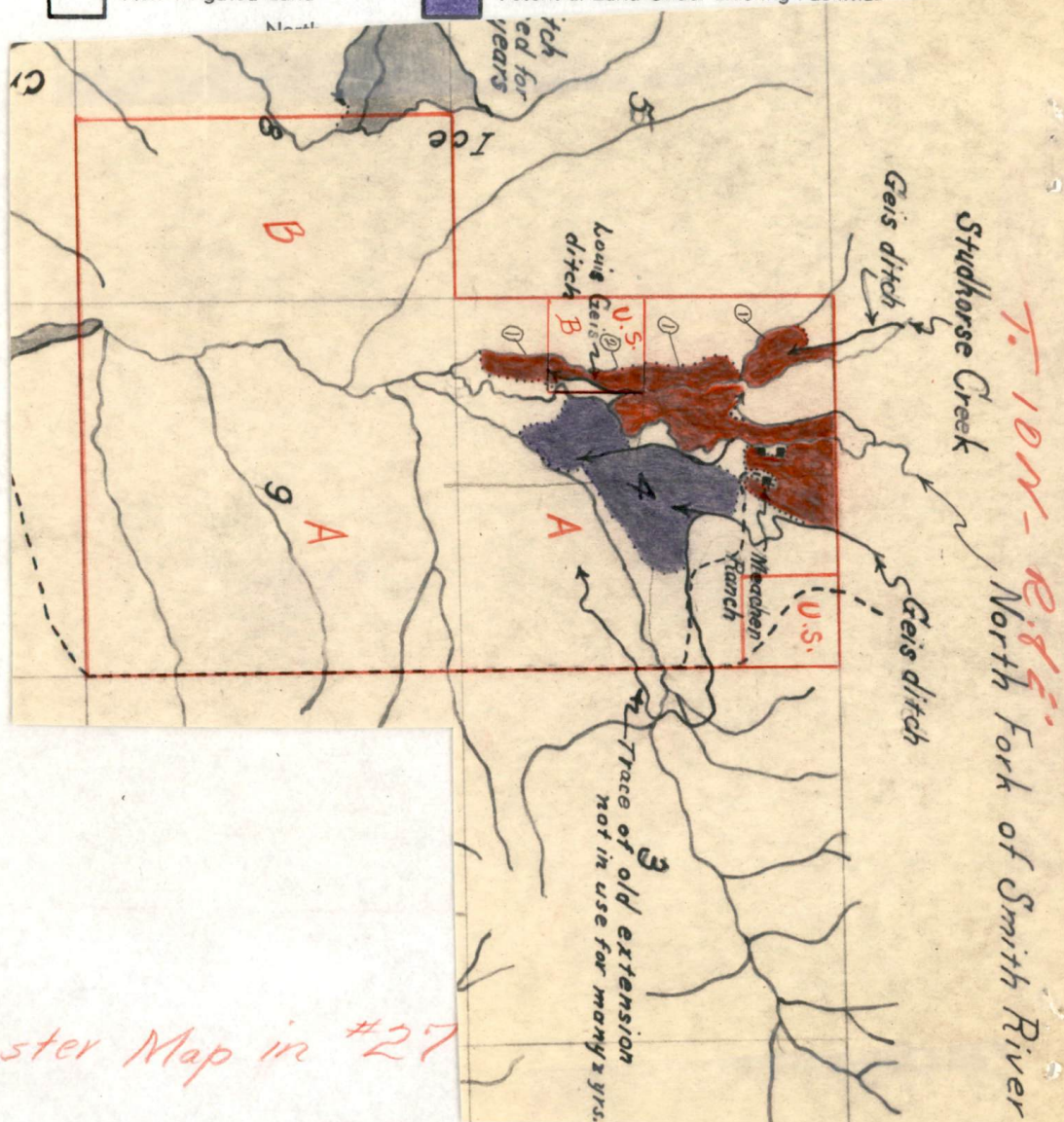
Irrigated Land



Non-Irrigated Land



Potential Land Under Existing Facilities



Code No. 4A System Meachen Ditches (Lake Sutherland Right) Source of Water Studhorse Creek
Basin North Fk. Smith River Present 31.0 Potential 0 Maximum 31.0 R ☒ F ☐ P ☐ G ☒ S ☒
Code No. 4B (U.S.A.) System Meachen Ditches (Lake Sutherland Right) Source of Water Studhorse Creek
Basin North Fk. Smith River Present 9.0 Potential 0 Maximum 9.0 R ☒ F ☐ P ☐ G ☒ S ☒
Code No. 4A System Meachen Ditches (Lake Sutherland Right) Source of Water North Fk. Smith River
Basin North Fk. Smith River Present 61.0 Potential 73.0 Maximum 134.0 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 H. L. B.Date 5/25/50