



NOTICE  
These forms and the property of the State of Montana and must be returned.

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey  
Code No. 36A  
County: Custer  
T. 5N R. 45

Name of Land Owner: State of Mont. Address: Helena  
Name of Operator: Emil T. Olander Address: Miller City, Mont.

**Part A**

TO BE FILED BY THOSE OBTAINING IRRIGATION WATER FROM A DITCH COMPANY OR IRRIGATION DISTRICT

- Water is delivered by: \_\_\_\_\_ Name of Ditch, Ditch Company or District Supplying Water \_\_\_\_\_
- State the number of acres you irrigate under this system \_\_\_\_\_ Shares you hold \_\_\_\_\_
- If you obtain water from more than one Company, give the number of shares, acres irrigated and the name of the Company under "Remarks." If you obtain water from a Ditch Company and also have a private system fill in both Part A. and Part B.

**Part B**

TO BE FILED BY THOSE WHO HAVE A PRIVATE DITCH, PUMP OR IRRIGATION SYSTEM or those who have a private water right under a Ditch Company

- In what year was this land first irrigated? Date: No date
- Give the name of the original appropriator (first user): Possible No - 1113
- Give the date appropriated \_\_\_\_\_ Amount filed on: Miners Inches \_\_\_\_\_ C. F. S. \_\_\_\_\_
- State the total number of acres irrigated under this system: (see attached letter)
- Give the point of diversion: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

**Part C**

TO BE FILED BY ALL WATER USERS IN ADDITION TO PART A OR PART B

- Source of Water: Hay Creek + Tribes  
Name of stream or lake from which water is originally diverted
- Water is obtained by: (Check one) Gravity  Pumping \_\_\_\_\_ Other Flood
- What is the greatest number of acres you have irrigated? 46.2 Date \_\_\_\_\_
- How many acres did you irrigate in 1947 (Crop and pasture) 37.2
- State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 9.0 This land is under what ditch? Trib to Hay Creek
- How many acres of seeped land do you have which could be drained and put into production? \_\_\_\_\_
- What is the condition of your irrigation system? Fair
- Is your water supply adequate? Yes \_\_\_\_\_ No  Explain Flood
- REMARKS: Olander also in 5N46  
4N46

Over

NOTE: The foregoing questions apply only to irrigated land shown on this plat.

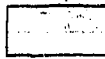
### DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm

*all section 36  
Water Resources Survey*



IRRIGATED LAND



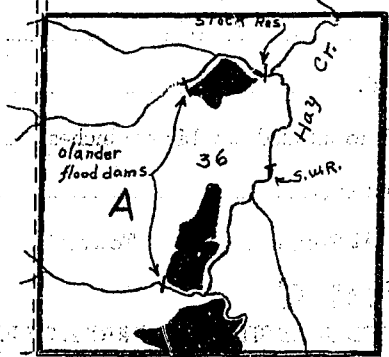
NON-IRRIGATED LAND



Potential Land

North

SECTION 36, T4N, R10W, S4R, MONTANA



West

East

South

Ownership covers only irrigated land. All ownership for dry land not shown.

19. If the above land is irrigated from more than one ditch please give the acreage under each ditch in 19A and indicate the location of the land irrigated from each on the above map.

19A. Ditch: *Flood Hay Creek* Acres: *19.2*  
Ditch: *Flood side Canlee tribut to Hay Cr* Acres: *18.0*

Information supplied by:  
Name *Field Survey* Address \_\_\_\_\_ Date *8/1/47*

REMARKS: *Johnson + J. Paulist*

If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

STATE ENGINEER'S OFFICE  
WATER RESOURCES SURVEY

COUNTY Custer

FILE NO. 40A-T. 5N-R. 45E

Owner Montana, State of Address Helena, Mont.

AAA Owner \_\_\_\_\_ Address \_\_\_\_\_

Operator Olander, Emil T. Address Mana Creek Stage, Miles City

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record None

Assessed Acreage 0

Legal Description of This Farm all of Sec. 36; T. 5N-R. 45E

Total Acres in Farm ✓

Code Number 36A

Photo No. Ma 23-08

AAA Contract No. \_\_\_\_\_

AAA Total Cropland Acreage \_\_\_\_\_

App. No. ?

Decree No. \_\_\_\_\_

Land is located in

Twp. 5N Rge. 45E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 5N Rge. 45E

Remarks Emil T. Olander also

owns or operates land in

T. 5N-R. 46 + T. 4N-R. 46E

Unable to tie  
land to a right  
Possibly no filing  
made

Yellowstone River Basin

Ownership covers  
only irrigated land.  
All ownership for  
dry land not shown.

TRIANGLE H-L RANCH

MILES CITY, MONTANA

May, 4, 1948.

Mr. Gerald J. Oravetz  
Assistant State Engineer.  
Billings, Montana.

Dear Sir,

In regard to Flood Irrigation on my land located on Hay Creek and Moon Creek.

Section 36, 5N., R. 45E, I built two dams in 1941, and three dams in 1942, but made no water filing, if there is a runoff of enough water could flood irrigate about eighty acres.

$\frac{1}{2}$  Section 32, T. 5N, R. 46E built one dam in 1941 and on in 1942 and will irrigate twenty five acres more or less, and I made no water filing on these either.

Section 31, T. 5N., R. 46E, I built one dam in 1941, and 1942 and will irrigate about twenty acres and I made no water filing on these.

Section 5, T 4N., R, 46E, built one dam in 1942 and will flood irrigate about thirty five acres and there is no wter filing on this one.

Section 3, T4N., R.46E., I built one dam in 1941 and one in 1945, and they will spread water on about fifteen acres of land. There is no water filing on these.

For the last ten years out side of an early spring run off we have not had much water down these two creeks, the sod is very heavy and we have given the grass lots of protection and so it seemto hold most of the rainfall and it is only when the gr und is frozen that water gets away to the creeks.

Hoping this report will be satisfactory, I am sorry I didn't get it to you sooner.

Yours truly,

*Emil Olander*

P.S. I understand that your department is publishing in book form a complete series of charts on the water resourses of each county, could you inform me if it would be possible to get one containg the water resourses of Custer County?