

Farm Checked

STATE OF MONTANA

FORM F-1 - GAZETTE 1965-2M-1-47

By Jim + Bob

STATE ENGINEER'S OFFICE

Code No. 24B, 25A

Area Sweet Grass Co.

WATER RESOURCES SURVEY

County Sweet Grass

Date June 20, 1950

T. 3N R. 14E Sec. 24, 25

Ma-12A-18

Photo No. MA-11A-209

Legal Land Owner Mr Cormick, Jerry

Address Big Timber

Operator Same

Address " "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Glass-Lindsey Upper Canal Pres. 200.0 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 Stocker, Glas. F. App. No. 134

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, Sweet Grass Creek

Acres Irrigated 1950 200.0

Potential Acres _____ Seeped _____

Explain _____

Condition of System Good

Adequate Supply _____ Yes ☒ No _____

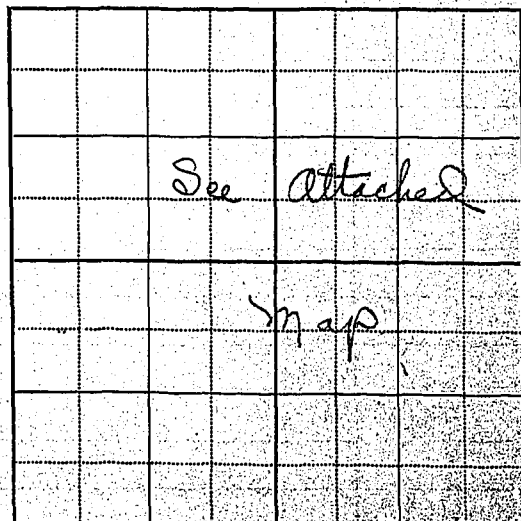
Explain _____

Topography Rolling bench land

Information From Mr. J. W. Lammick

Remarks Trunks of old ditches running thru

200.25 + 86 out of unclaimed creek.
No filling - Howard has 200 shares



(14)

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 3 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	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

also leases
sec 36

Township _____ Range _____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 24B-25A

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner McCormick, Jerry Address Big Timber

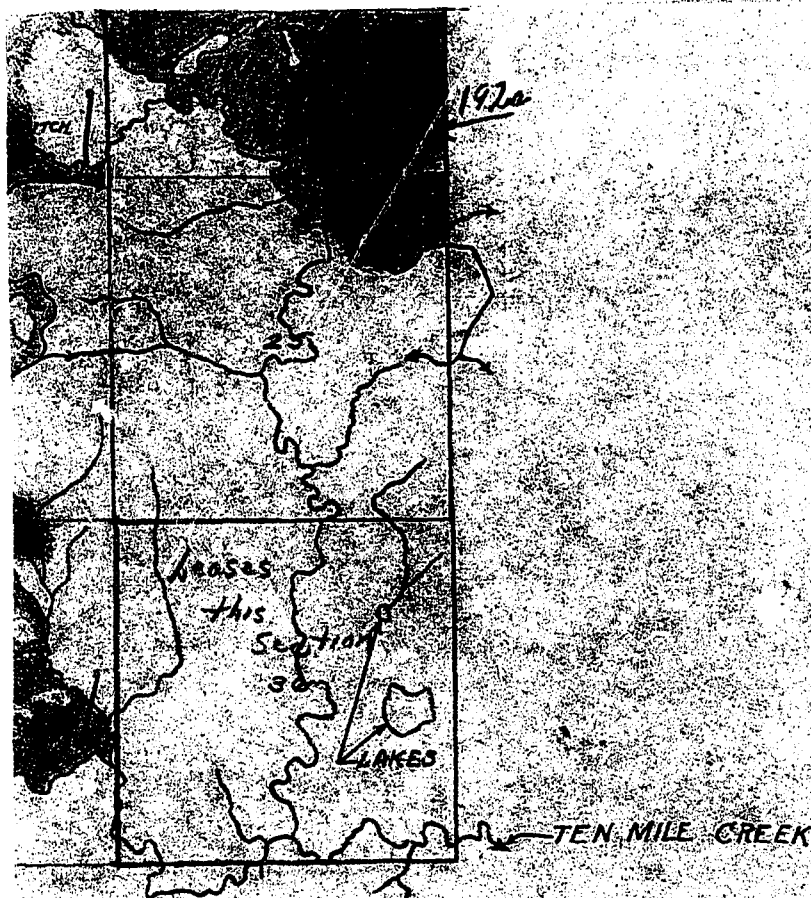
Name of Operator Same Address _____

Legal Description _____

☐ Irrigated Land

☐ Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities



basin 1 Present 1.1 Potential 1.0 Maximum 2.98 R ✓ F ✓ P ✓ G ✓ S ✓
Code No. _____ System _____ Source of Water a Ditch Sweet Grass Creek
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

Farm Checked

STATE OF MONTANA

Code No. 116ABy Bob L. Quinn

STATE ENGINEER'S OFFICE WATER RESOURCES SURVEY

County Sweet GrassArea McLurevilleT. 3N R. 14E Sec. 16

Date _____

Photo No. MA-11A-209Legal Land Owner Montana, State of Address _____

Operator _____ Address _____

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Big Timber Creek Canal Co Pres. 0 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 Big Timber Cr.

Acres Irrigated 19 _____

Potential Acres _____ Seeped _____

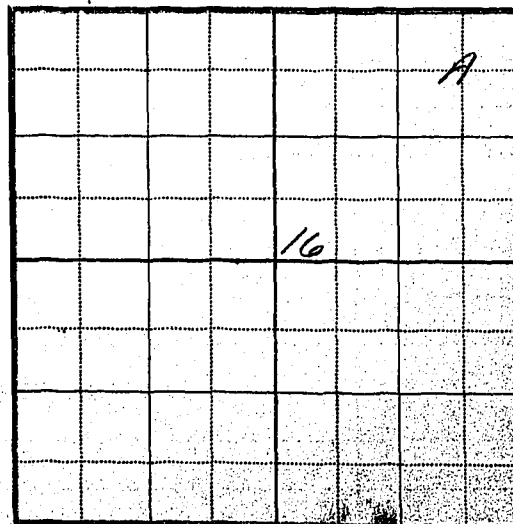
Explain _____

Condition of System goodAdequate Supply Yes ☒ No _____

Explain _____

Topography Hillsides

Information From _____

Remarks not in use

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sw. Grass

Code No. 16A

Twp. 3 N Rge. 14 E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner Montana State Address _____

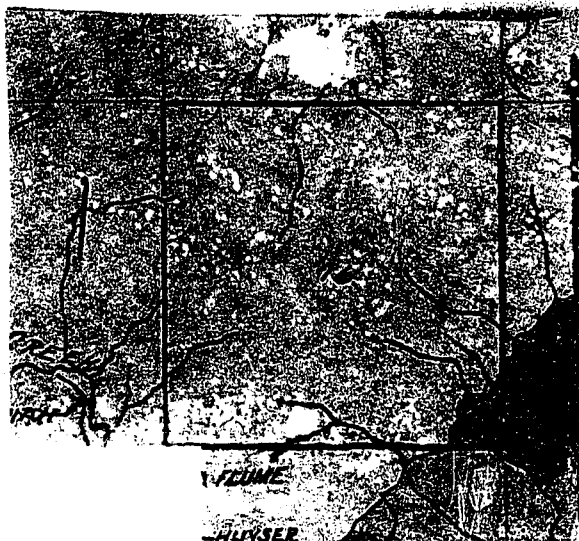
Name of Operator _____ Address _____

Legal Description _____

☒ Irrigated Land

☐ Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities



Code No. 16 A System Big Timber Creek Canal Co Ditch Source of Water North Fork Big Timber Creek
Basin Big Timber Creek Present 0 Potential 15 Maximum 15 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 J. E. Cook Date May 7, 1951

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

Code No. 30A

By Wm. A. Baker

County Sweet Grass

Area 1264 m²

State Engineer's Office

T. 3N R. 14E Sec. 30

Date June 3 1950

Photo No. MA-12A-30

Legal Land Owner. Severin Nelson

Address Big Timber

Operator Tam & Imogene Mc Mahan

Address " "

Water is delivered by:

Federal Project _____ **Pres.** _____ **Pot.** _____

Ditch Company Big Timber Creek Canal Co. Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System Wormzer Ditch Pres. 35.0 Pot. ?

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private (See over) App. No. 135

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

Is all land irrigated from one system? Yes ✓ No

(If No, show break down on map)

Source of Water: Big Timber Cr. (N. Fork or east Big Timber Cr.)

Acres Irrigated 1950, 35.0

Potential Acres _____ Seeped 0

Explain_____

Condition of System Good

Adequate Supply..... Yes ✓ No _____

Explain _____

Topography. Creek bottom & bench land

Information From: 1000 111-11111111

Remarks Over - Bump 30 MI. - Has

5051 1 June 7

20 Shares (1000)

17)

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

1. *Journal of Management Studies*, 1990, 27, 1, 1-14.

See Attached
maps.

(14)

It seems that - Ap. No.
78-95-107-108-101-(135) have had
a part in the filings for this system
find out which ap - was perfected
All Information tends to indicate App. No. 135
is correct.

Buys 50 MT. (50 shares) out of Wormen Ditch
(Big Timber Creek Canal Co.)

Is buying 80 acres under Glass-Lindsey Canal
system from Delia Plaggenmeyer, estate.

WILEY ELMORSON SCHALL

State Engineer & Office

CRIMINAL RECORDS

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 3N Range 14E County Sweet Grass

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 <i>A</i>	29	28	27	26	25
31	32	33	34	35	36

Township 3N Range _____

State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweet Grass

Code No. _____

30A

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner NELSON, SEVERIN Address Big Timber

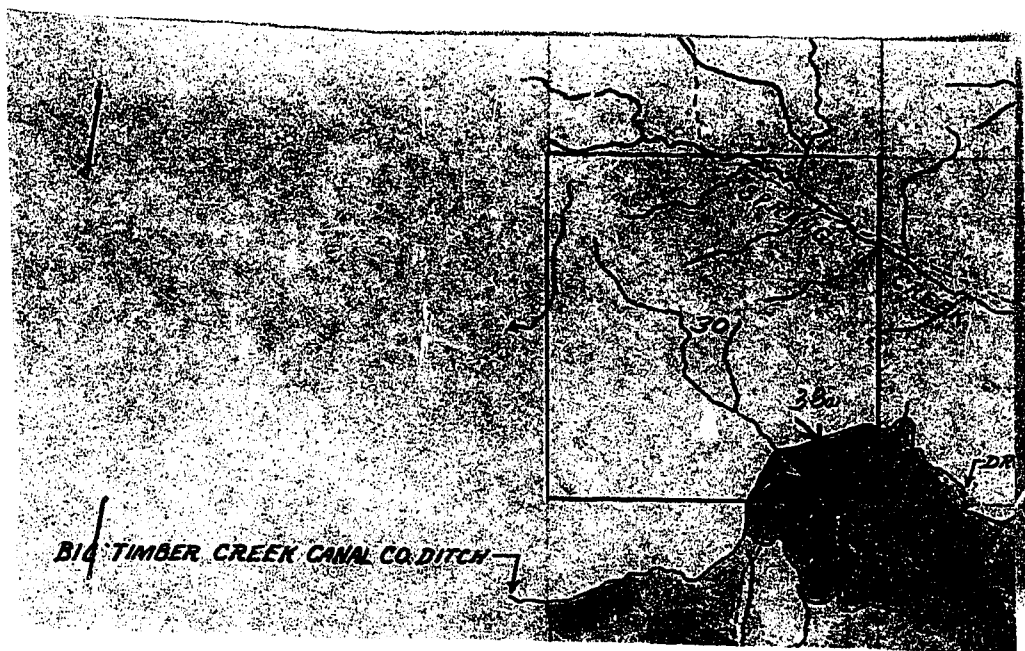
Name of Operator Tom & Imogene McMahon Address " "

Legal Description _____

☐ Irrigated Land

☐ Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities



Code No. 30A System B.T. Cr. Canal Co. Ditch Source of Water North Fork Big Timber Cr.
Basin Big Timber Cr. Present 38 Potential 0 Maximum 38 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 J. E. Cook Date May 4, 1951

Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER IM 3-49 17380

By Jim & Bob
Area Sweet Grass Cr.

State Engineer's Office

WATER RESOURCES SURVEY

Code No. 12A

County Sweet Grass

Date June 21, 1950

T. 3N R. 14E Sec. 12

Photo No. MA-12A-18

Legal Land Owner Gordon Olsen

Address Big Timber

Operator " "

Address " "

Water is delivered by:

Federal Project " " Pres. " " Pot. " "

Ditch Company Sweet Grass Cr. Canal & Res. Co. Pres. 100.0 Pot. " "

Irrigation District " " Pres. " " Pot. " "

Private System 1 Ditch out of Otter Cr. Pres. " " Pot. " "

Totals " "

Flood " " Pump " " Reservoir ✓ Gravity ✓

Size and Capacity, Pump, etc. " "

Original Appropriator, Company Emil Johnson et al, Chas F Stocker App. No. " "

Original Appropriator, Private Dana W. Cross, Dana W. Cross et al App. No. 44, 134, 527, 1604

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

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

(If No, show break down on map)

Source of Water Big Timber Cr., Medicine Bow Cr., Otter Cr.

Acres Irrigated 1950 150.0 ~~150.0~~ 150.0

Potential Acres 7 Seeped " "

Explain " "

Condition of System Good

Adequate Supply Yes ✓ No " "

Explain " "

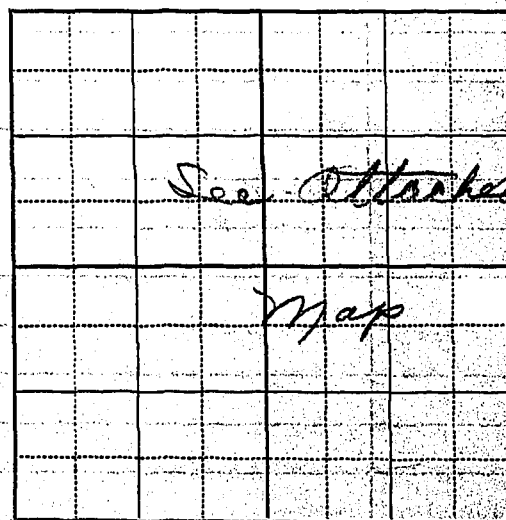
Topography Creek bottom & bench land

Information From " "

Remarks It has 150 shares in Sweet

Grass Cr. Canal & Res. Co.

10 ac can be in from other systems



(1) Ditch out at other end, on south side of
road in E.W. 1/4 of Sec. 18 - T. 31N - 19E
and irrigation southward. Power 900 W.T. and
at app. 100 ft. filed by W. Cross et al. at
Totten Co. 1899 for 100 W.T.

* T.O. Cross has other 200 W.T. ditch.

(2) ~~Power~~ Ditch runs south on Sec. 19 - T. 31N - 19E
only 1/2 mile, in other cross in south.
Other T.O. Cross has 100 W.T. on Sec. 19 - T. 31N - 19E.

* See T.O. Cross form

(3) Ditch all land by other on Sec. 19
and 30 W.T. which is situated by
Totten Co. 1899 & Totten Co. Ditch.

WILLES INFORMATION BOARD

WILLES INFORMATION BOARD

WILLES INFORMATION BOARD

WILLES INFORMATION BOARD

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 3 N Range 14 E County Sweet Grass

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

Township 3 N Range 14 E

STATE OF MONTANA

State Engineer's Office
WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass

Code No. 12A

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner Gordon Olsen Address Big Timber

Name of Operator Same Address " "

Legal Description _____



Irrigated Land

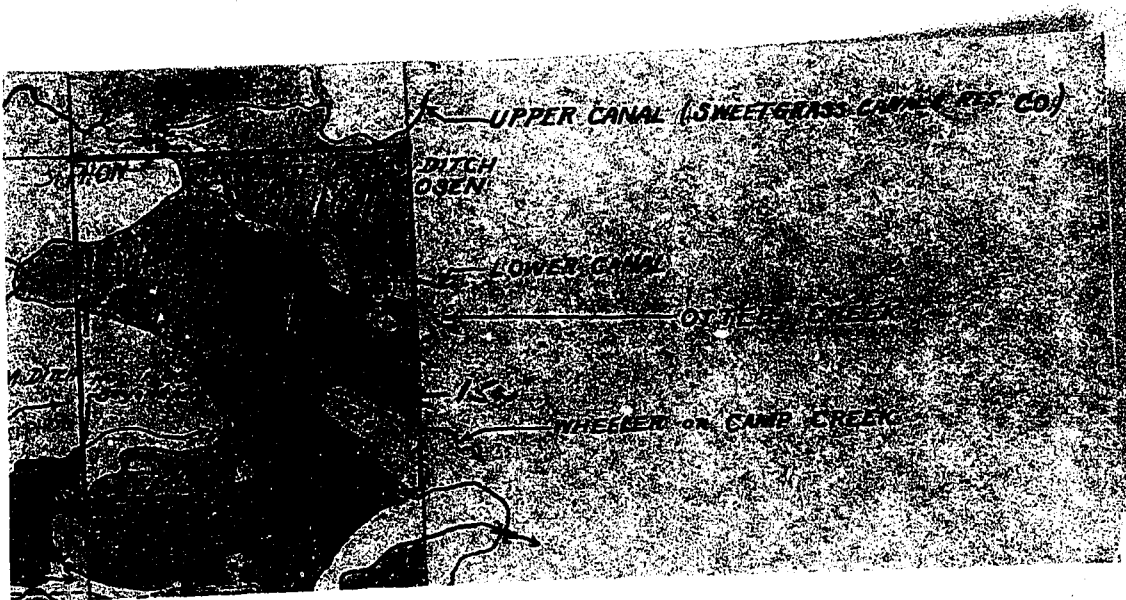


Non-Irrigated Land



Potential Land Under Existing Facilities

North



Code No. 12A System Sweet Grass Canal & Res. Co. Ditch Source of Water Sweet Grass Creek

Basin Sweet Grass Creek Present 95 Potential 241 Maximum 336 R. ✓ F. ✓ P. ✓ G. ✓ S. ✓

Code No. 12A System Cross Ditch Source of Water Otter Creek

Basin Otter Creek Present 125 Potential 0 Maximum 125 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

①	Big Timber Co. Canal Co. 50 shares
②	Ditch out of Ten Mile Creek (res.) is not in use.
③	As Johnson ditch out of Spring Creek carries Spring Creek Water & B.T. Co. Canal Co. water to 5 acre piece of land in the NE 1/4 of SE 1/4 of Sec. 29.

①	Big Timber Cr. Canal Co. 50 shares
②	Ditch out of Ten Mile Creek (res.) is not in use.
③	As Johnson ditch out of Spring Creek carries Spring Creek Water & B.T. Cr. Canal Co. water to 5 acre piece of land in the NE 1/4 of SE 1/4 of Sec. 29.

①	Big Timber Cr. Canal Co. 50 shares
②	Ditch out of Ten Mile Creek (res.) is not in use.
③	As Johnson ditch out of Spring Creek carries Spring Creek Water & B.T. Cr. Canal Co. water to 5 acre piece of land in the NE 1/4 of SE 1/4 of Sec. 29.

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 3N Range 14E County Sweet Grass

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

Also 5 acres

D

Township _____ Range _____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County, Sweetgrass

Code No. 18B-19A-29D

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner. Plaggenmeyer, Abe Address. Big Timber

Name of Operator. Same Address. " "

Legal Description. _____



Irrigated Land

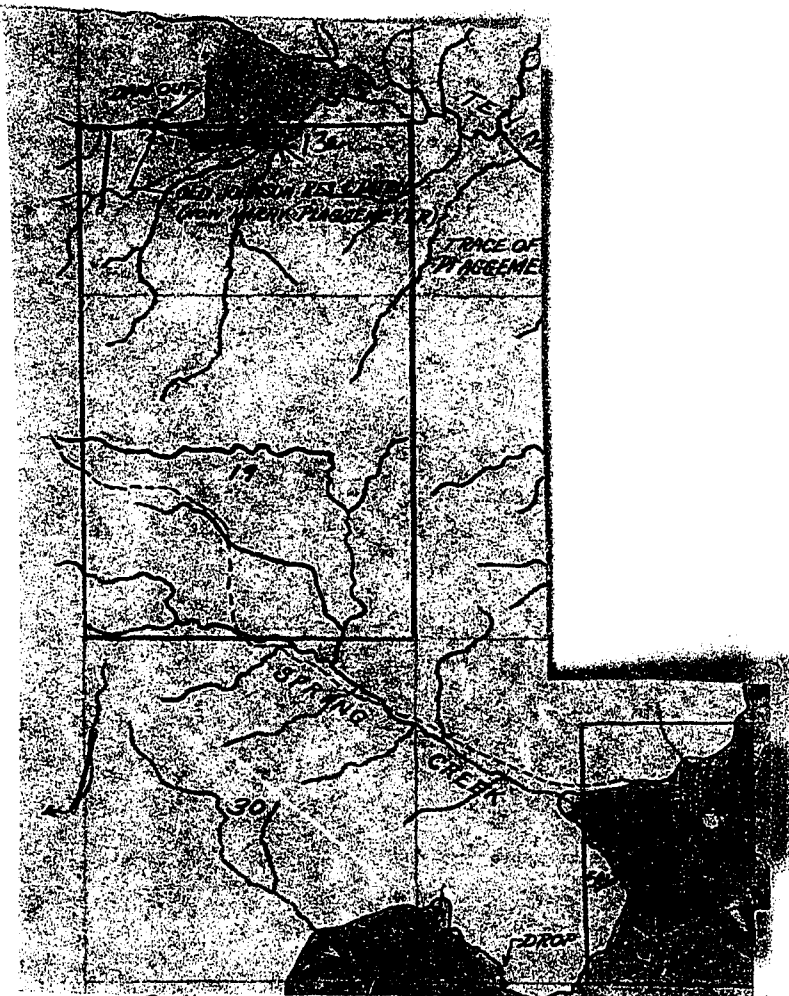


Non-Irrigated Land



Potential Land Under Existing Facilities

North



Code No. 18A System. Johnson Ditch Source of Water. Trib. of Ten Mile Creek
Basin. Otter Creek Present. 0 Potential. 13 Maximum. 13 R. F P. G S. V
Code No. 29D System. B. T. Cr. Canal Co. Ditch Source of Water. Big Timber Creek
Basin. Big Timber Creek Present. 77 Potential. 68 Maximum. 145 R. V F. P G. V S. 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. E. Cook Date May 4, 1951

Farm Checked

STATE OF MONTANA

FORM P-1 - GAZETTE 1955-24-1-47

Code No. 7A-17A-18A-28A
29B-29C

By James B. B.

STATE ENGINEER'S OFFICE

County Sweet Grass

Area Big Timber Cr.

WATER RESOURCES SURVEY

T. 3N R. 14E Sec. MA-12A-31

Date June 9, 1950

Photo No. MA-11A-208

Legal Land Owner Plaggemeyer, Bert est. Address Big Timber

Operator " Abe Address " "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Big Timber Cr. Canal Co. Pres. 760 Pot. _____

Irrigation District 2, Private ditches from Spring Cr. Pres. _____ Pot. _____

Private System _____ Pres. _____ Pot. _____

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company Vik, Oscar K. App. No. 848

Original Appropriator, Private Stocker, Chas. F. App. No. 134, 851, 684
Johnson, Andrew

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, Ten Mile Cr., Spring Creek

Acres Irrigated 19 SD 760

Potential Acres 7 Seeped _____

Explain _____

Condition of System Good

Adequate Supply _____ Yes ☒ No _____

Explain _____

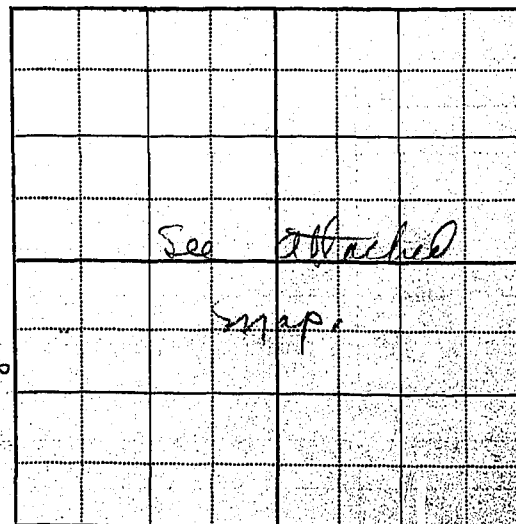
Topography Bench land and rolling hills

Information From Plaggemeyer

Remarks Has some in Sec. 28. Hasn't

been irr. for a couple yrs. Can be irr.

(14) (Over)



① Small reservoir and ditch in Sec. 18-T. 3N-R4E
Went out of commission a year ago. Was
not irrigate now. Reservoir has to
be rebuilt in order to irrigate there
again. Irrigates, when in use, about
180-100 acres. Andrew Johnson
built ditch.

② 1 ditch out of Spring Creek.

This ditch Diverts From ^{N. side of} Spring Cr. about 200 yds
above the Ploggeneyer hse. and originally irrigated land across Creek
from the house. The ditch is now used to Carry both B. Timber
Creek Canal Co. Water & Spring Creek Water. Water from both
sources irrigate the same area (Andrew Johnson Filing)

③ Another ditch out of Spring Cr. This ditch
diverted from south side of Creek at Co. road bridge
and irr. small area near hse.

④ Buys 175 MT or 175 shares from Big Timber Cr. Canal
Co.

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 3 North Range 14 East County Sweet Grass

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

Less 5 ac.

Township _____ Range _____

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 7A-17A-18A-28A-29A-29C

Twp. 3N Rge. 17E

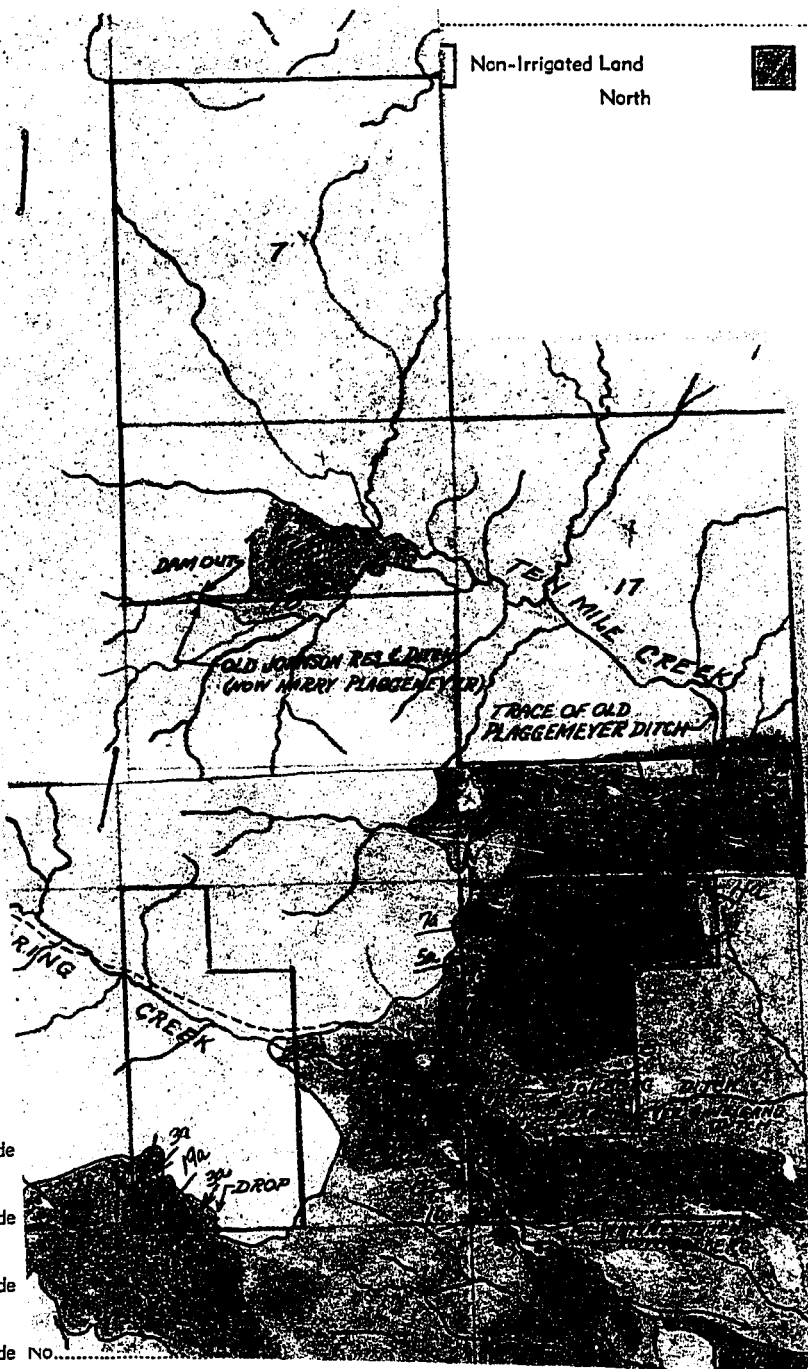
Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner PLAGGEMEYER, EERT. EST. Address Big Timber

Name of Operator " Address "

Legal Description _____



Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities

Code

Code

Code

Code

Code

Source of Water Trib. of Ten Mile Creek
Maximum 55 R ✓ F ✓ P ✓ G ✓ S ✓
Source of Water Big Timber Creek
Maximum 352 R ✓ F ✓ P ✓ G ✓ S ✓
Source of Water _____
Maximum _____ R _____ F _____ P _____ G _____ S _____
Source of Water _____
Maximum _____ R _____ F _____ P _____ G _____ S _____

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 May 4, 1951

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 7A-17A-18A-28A-29A-29C

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner PLAGGEMEYER, BERT Address Big Timber

Name of Operator " Address "

Land Description _____

Non-Irrigated Land
North

Potential Land Under Existing Facilities

<u>18A</u>	System <u>Johnson Ditch</u>	Source of Water <u>Trib. of Mile Creek</u>
<u>Otter Creek</u>	Present <u>0</u> Potential <u>55</u> Maximum <u>55</u>	R. <u>F</u> P. <u>G</u> S. <u>S</u>
<u>28A, 29B, 29C</u>	System <u>B.T. Co. Canal Co. Ditch</u>	Source of Water <u>Big Timber Creek</u>
<u>Big Timber Creek</u>	Present <u>272</u> Potential <u>80</u> Maximum <u>352</u>	R. <u>F</u> P. <u>G</u> S. <u>S</u>
	System _____	Source of Water _____
	Present _____ Potential _____ Maximum _____	R. _____ P. _____ G. _____ S. _____
	System _____	Source of Water _____
	Present _____ Potential _____ Maximum _____	R. _____ P. _____ G. _____ S. _____

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. Beck Date May 4, 1951

Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER IM 3-49 17380

By

Jim & Bob

State Engineer's Office

Code No. 5A, 9A, 10A, 15B

Area

Big Timber Cr.

WATER RESOURCES SURVEY

County Sweet Grass

Date

June 12, 1950

T. 3N R. 14E Sec.

Photo No. MA-12A-31
MA-11A-209

Legal Land Owner

Mrs. Delia Plaggemeyer (est)

Address

Big Timber

Operator

"

"

Address

Water is delivered by:

Federal Project

Pres.

Pot.

Ditch Company

Big Timber Cr. Canal Co.

Pres. 0

Pot.

Irrigation District

Pres.

Pot.

Private System

5 Private Ditches

Pres. 0

Pot.

Totals

Flood

Pump

Reservoir

Gravity ☒

Size and Capacity, Pump, etc.

Original Appropriator, Company

App. No.

Original Appropriator, Private

Chas. F. Stocker, (Gerritt Healy Dick Plaggemeyer)

App. No. 134, (865), 868

Is the system an extension of another system?

Yes

No ☒

Is all land irrigated from one system?

Yes

No ☒

(If No, show break down on map)

Source of Water

Big Timber Cr.; Wheeler Cr. (Camp Cr.)

Acres Irrigated 19 50, 0

Potential Acres

Seeped

Explain

Condition of System

Poor

Adequate Supply

Yes

No

Explain

Topography

Creek bottom & bench land

Information From

Walter Plaggemeyer

Remarks

Ditches not use.

No Irrigation, no shares in Big Timber Creek Canal Co.

See attached map

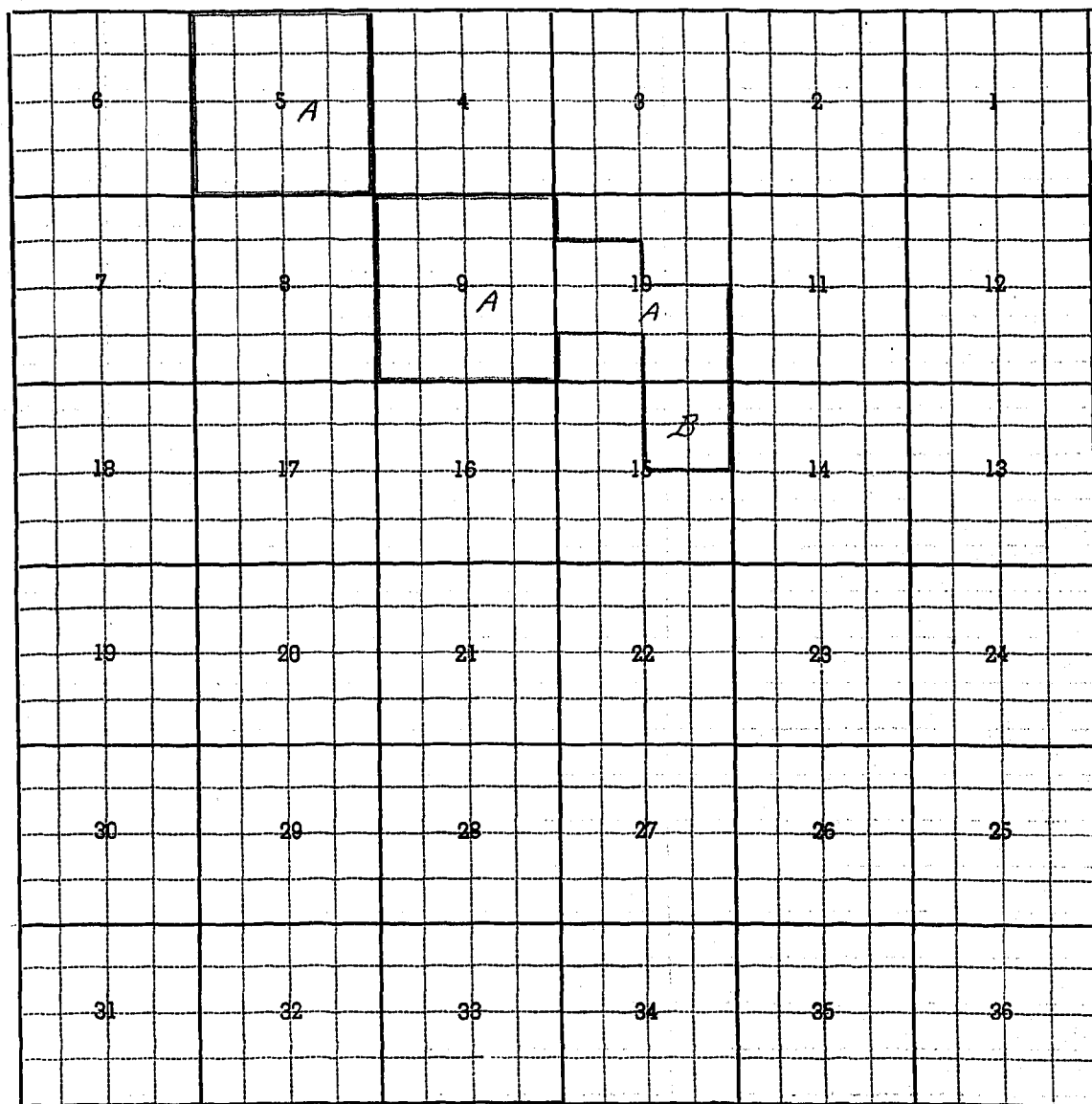
App. 272. Owns Eugene & Hattie Cummings W.R. of 175 MT.
 of Campor Wheeler Co. June 1, 1888; Aug. 5, 1888
 Filed Aug. 18, 1888. — This W.R. ^{of Part} transferred
 to John Mack in 1929 by Carl & Mary Cross.
 No trace found of this ditch at described point of diversion.

(Ex) Have seed to 25 MT. of Stock W.R. bought
 from Sweet Grass Div. Co. Laramie, Wyo.
 April 15, 1912. Recorded in Book of Deeds, page
 125, Sweet Grass County.

STATE REPOSITOR BUREAU
 STATE OF MONTANA
 DEEDS DIVISION

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 3N Range 14E County Sweet Grass



Township 3N Range 14E

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. _____

5A-9A-10A-15B

Twp. 3N Rge. 14E

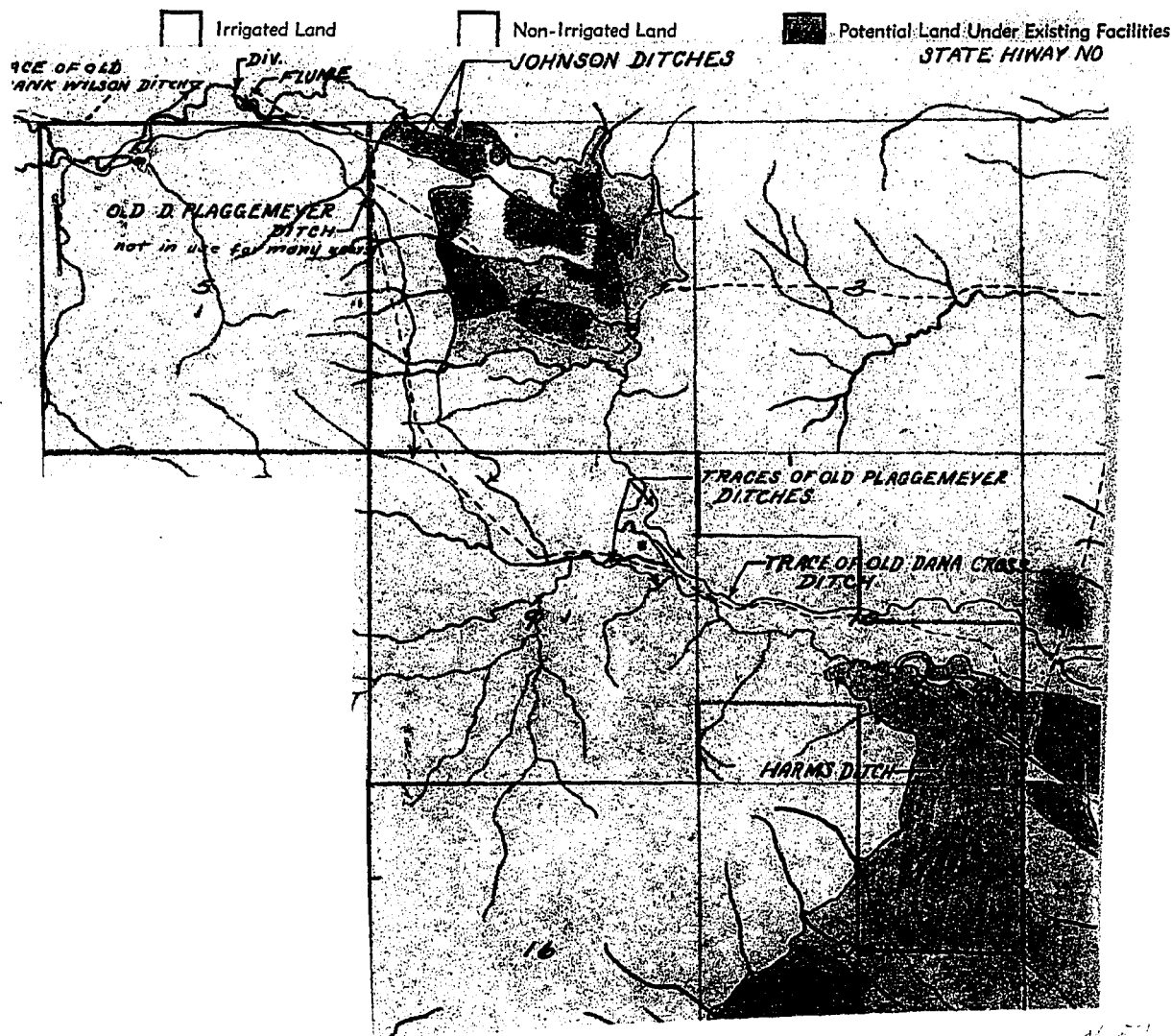
Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner Mrs. Della Plaggemeyer ^{est.} Address Big Timber

Name of Operator SARRE Address " "

Legal Description _____



Code No. <u>10A-15B</u>	System <u>B.T. Co. Canal Co. Ditch</u>	Source of Water <u>Big Timber Creek</u>
Basin <u>Big Timber Creek</u>	Present <u>0</u>	Potential <u>221</u> Maximum <u>221</u> R. <u>✓</u> F. <u>✓</u> P. <u>✓</u> G. <u>✓</u> S. <u>✓</u>
Code No. <u>10A</u>	System <u>Arce Haem Ditch</u>	Source of Water <u>Wheeler Creek</u>
Basin <u>Cotton Creek</u>	Present <u>0</u>	Potential <u>17</u> Maximum <u>17</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>
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 E. Cook Date May 4, 1951

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Code No. 21 B

County Sweet Grass

T. 3 N R. 14 E Sec. 21

Date June 9, 1950

Photo No. MA-11A-208

Legal Land Owner Plaggemeyer, Fred Address Big Timber

Operator Same Address " "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Big Timber Cr. Canal Co. Pres. _____ Pot. _____

Irrigation District _____ Pres. _____ Pot. _____

Private System Wormzer Canal Pres. 48.0 Pot. 25

Totals

Flood _____ Pump _____ Reservoir _____ Gravity ☒ _____

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private Plaggenmeyer, Fred & Louis App. No. 850

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 Ten Mile Creek

Acres Irrigated 19 50, 135.0

Potential Acres 25.0 Seeped _____

Explain

Condition of System Good

Adequate Supply --- Yes ☒ No ☐

Explain

Topography Creek bottom & bench land

Information From Fred Ploggenberg

Remarks *Catches a little waste water.*

near Ft. Creek.

(14) (over)

Twp. 5 N - Rge. 14 E

A 10x10 grid with a horizontal line at row 5 and a vertical line at column 5. The number '21' is written at the intersection of row 5 and column 5. The letter 'B' is written at the intersection of row 4 and column 6.

① Doesn't irrigate every year, just when the
land needs irrigation.

Buys 50 shares (50 mt.) from Big Timber
Ch. Canal Co.

② Doesn't irrigate from Ten Mile Creek anymore
because when heavy rains came, it washed
ditch, headgate, and so on. Fred Blaggenwey
discontinued use of it. He built these
ditches. There are 2 of them.

Haven't used for 10 years. Always water in
Ten Mile Creek.

RIVER ENGINEERING OFFICE

RIVER COMMISSION

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 21 B

Twp. 3 N Rge. 14 E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner PLAGGEMEYER, FRED Address Big Timber

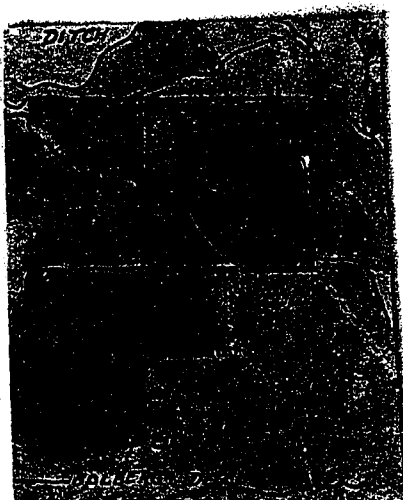
Name of Operator Same Address "

Legal Description _____

☐ Irrigated Land

☐ Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities



Code No. <u>21 B</u>	System <u>B.T. Cr. Canal Co. Ditch</u>	Source of Water <u>Big Timber Creek</u>
Basin <u>Big Timber Creek</u>	Present <u>132</u>	Potential <u>28</u> Maximum <u>160</u>
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____	Potential _____ Maximum _____
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____	Potential _____ Maximum _____
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____	Potential _____ Maximum _____

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

FORM F-1 REPORTER 1M 3-49 17380

Code No. 20A 29A

County Sweet Grass

T. 3N R. 14E Sec. 20, 29

Photo No. MA-12A-30

Address Bia Timber

Address _____

Ditch Company BIG TIMBER CR. Canal Co. Pres. 31.0 Pot. ?

Private System 1000 Desert Claim ditch Pres. 0 Pot. 0

[illegible]

Flood Pump Reservoir Gravity

Size and Capacity, Pump, etc. _____

Original Appropriator, Company _____ App. No. _____

Original Appropriator, Private Weitsche Plaggenmeyer; John F. Asbury et al, App. No. 851

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: Ten Mile Cr. Big Timber Cr.

Acres Irrigated 19 50 31.0

Potential Acres _____ Seeped _____

[illegible]

Condition of System Good.

Adequate Supply..... Yes ☒ No ☐

Explain _____

Topography CREEK bottom + bench land

Information From John F. Kennedy

Remarks	INFORMATION ON BACK OF									
---------	------------------------	--	--	--	--	--	--	--	--	--

SHEET

14

① Bought W¹/₂ of NW¹/₄. 80 acres. from
O. C. Hunsy. in Sec. 21-T3N-R14E.

is buying N¹/₂ of Sec. 18 and all of Sec. 17
from Delia Plaggemeyer. Intends to plow up
land in Sec. 18 and irrig. Owns App. 851 - by Weistache
Plaggemeyer filed in 4-2-06 for 50mi.

② Was old ditch out of Ten Miles Creek, taking
out in Sec. 17. Made to prove up old
Desert claim. Comes out of Creek on south
side in S¹/₂ of Sec. 17-T3N-R14E (App. 851)

Big Timber Cr. Canal Co.

③ Has 50 Shares (50 MI) in the Big Timber
Creek Canal Co.

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 3N Range 14E 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	24
30	29 A	28	27	26	25
31	32	33	34	35	36

Township 3N Range 14E

Form WR-3
Reporter 20168 2M 12-49

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 20A-29A

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner PLAGGEMEYER, HARRY Address Big Timber

Name of Operator Same Address " "

Legal Description _____



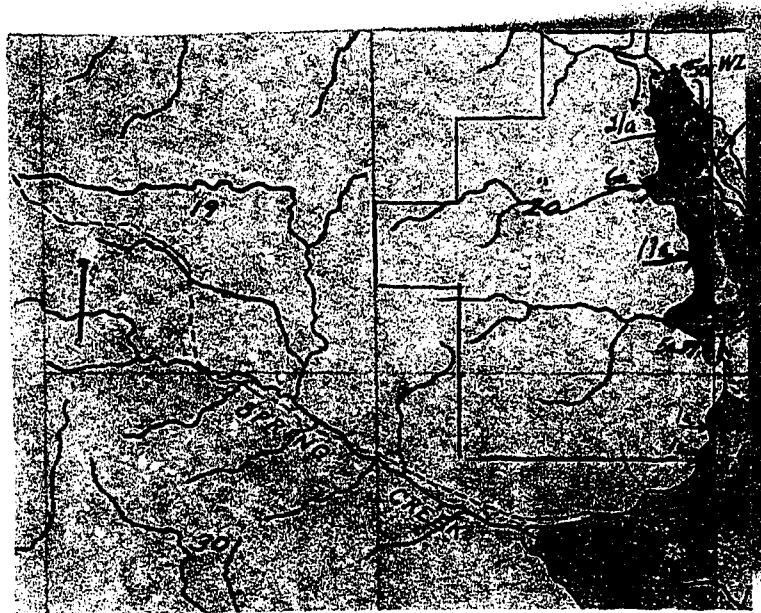
Irrigated Land



Non-Irrigated Land
North



Potential Land Under Existing Facilities



Code No. 20A, 21A System B.T. Cr. Canal Co. Ditch Source of Water N. Fk Big Timber Cr.
Basin Big Timber Creek Present 39 Potential 17 Maximum 56 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. _____
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

+

① Have Big Timber Co. Canal waste water that
 flows into Sweet Grass Canal from Chas.
 Harms irrigation.

② Flume in M.E. Corneal Sec. 23 is not at
 present but I want to replace
 in 2 or 3 years and put more land under
 irrigation. I am not sure whether to
 put in flume or siphon. Old flume
 site is located on Chas. Harms Canal.

WILEY HEDGECOCK CHAZA

CHAS. HARMS IRRIGATION CO.

CHAS. HARMS IRRIGATION CO.

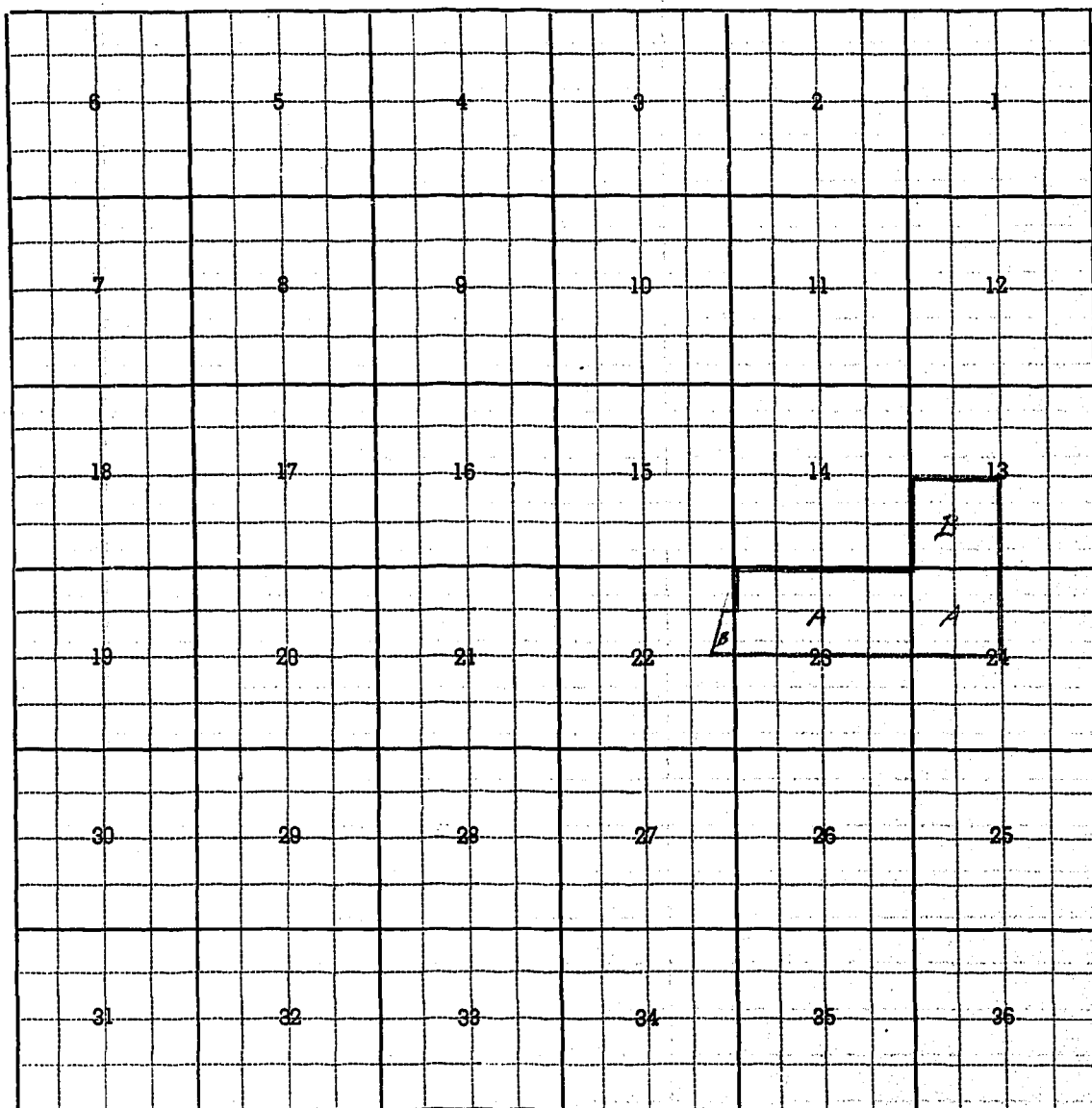
CHAS. HARMS IRRIGATION CO.

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 3N Range 14E County Sweet Grass



Township 3N Range 14E

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 13B-22B-23A-

24A

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner LEE SMOOT et ux. Address Big Timber

Name of Operator Same Address " "

Legal Description _____



Irrigated Land

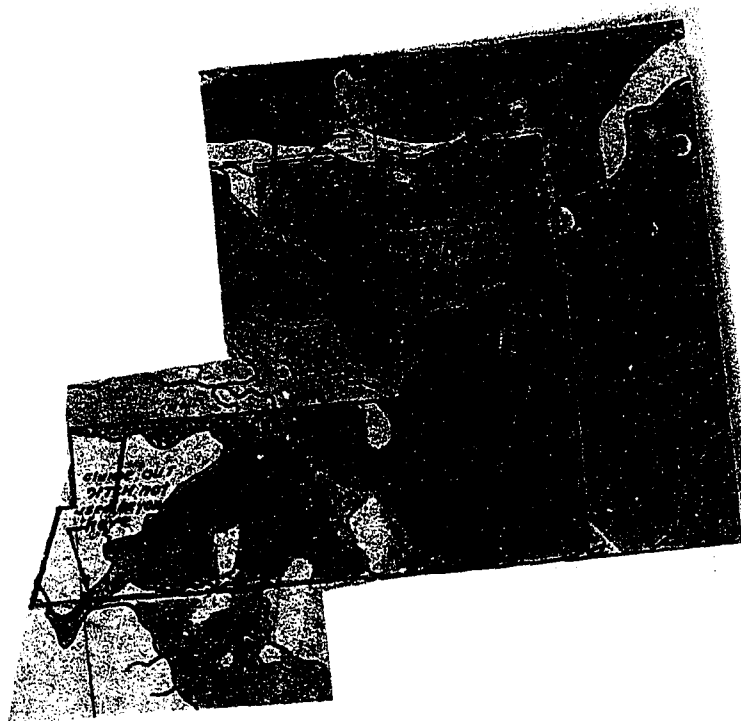


Non-Irrigated Land



Potential Land Under Existing Facilities

North



Code No. 13B, 23A, 24A System Sweet Grass Canal & Res. Co. Ditch Source of Water Sweet Grass Creek

Basin Sweet Grass Creek Present 433 Potential 32 Maximum 465 R. ✓ F. ✓ P. ✓ G. ✓ S. ✓

Code No. 23A System B. T. Cr. Canal Co. Ditch Source of Water Big Timber Creek

Basin Big Timber Cr. Present 0 Potential 76 Maximum 76 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

Farm Checked

STATE OF MONTANA

Code No. 33ABy Jim + Bob

STATE ENGINEER'S OFFICE

County Sweet GrassArea Big Timber

WATER RESOURCES SURVEY

T. 3N R. 14E Sec. 33Date June 16, 1950Photo No. MA-11A-207Legal Land Owner Solberg, AntonAddress Big TimberOperator SameAddress " "

Water is delivered by:

Federal Project

Pres.

Pot.

Ditch Company Big Timber Riv. Canal Co.Pres. 88.0

Pot.

Irrigation District

Pres.

Pot.

Private System Private ditches

Pres.

Pot.

Totals

Flood

Pump

Reservoir

Gravity ☒

Size and Capacity, Pump, etc.

Original Appropriator, Company Whitney, Adelbert

App. No.

Original Appropriator, Private Rapstad, Jacob L.App. No. 625, 706, 707

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 Rapstad Gulch, Spring Creek, Big Timber Riv.Twp. 3N-Roe. 14EAcres Irrigated 19.50 88.0

Potential Acres

Seeped 0

Explain

Condition of System Good

Adequate Supply

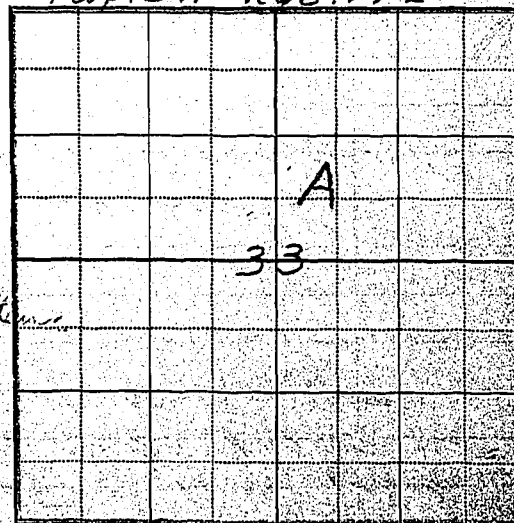
Yes ☒

No

Explain Some timber & cottonwood, & fruit trees off riverTopography Creek bottom & bench landInformation From Anton SolbergRemarks 4 in 100 ft. of R.T.G. Canalin Aug. 20% of increscent.

(14)

(over)



① Has right-of-way right in Big Timber
as shown on attached. H. to leave on
100 share. Days 209. of assessment.

② Doesn't know about app 625-110
in 1896 for 500 net at Capital Gulch, by
Jacob S. Capital.

③ Has the two rights out of Spring C. S.
but doesn't know. These rights show
200 inch but looking over when he bought
place, however said C. S. 200 inch, 100 inch,
but both looking over and the two same
man.

LYRIC ENGINEERING OFFICE

1111 N. W. 11th St.

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 33A

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner SOLBERG, ANTON

Address Big Timber

Name of Operator SAME

Address " "

Legal Description _____

☐ Irrigated Land

☐ Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities



Code No. 33A System Big Timber Cr. Canal Co Ditch Source of Water N.F.K. Big Timber Cr.
Basin Big Timber Cr. Present 211 Potential 323 Maximum 534 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 J. E. Cook

Date May 4, 1951

Farm Checked

STATE OF MONTANA

Code No. 27A, 28CBy Jim Bob

STATE ENGINEER'S OFFICE

County Sweet GrassArea Big Timber Co.

WATER RESOURCES SURVEY

T. 3N R. 14E Sec 27, 28Date June 13, 1950Photo No. MA-11A-208Legal Land Owner Vik, Chris (Wigand Engins)Address Big TimberOperator " "Address " "

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Big Timber Co. Canal Co. Pres. 100.0 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 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 Big Timber Co.Acres Irrigated 1950 100.0Potential Acres ? Seeped 0

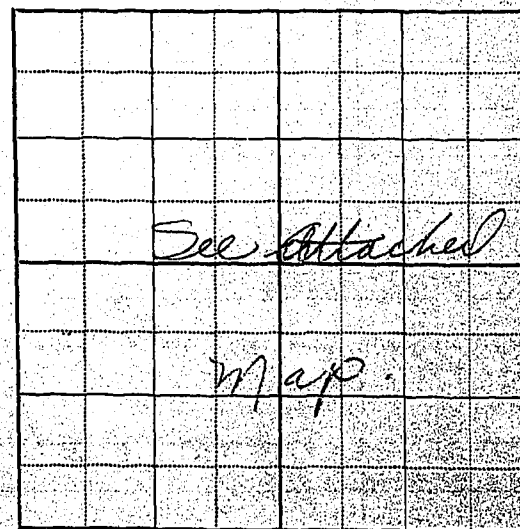
Explain _____

Condition of System GoodAdequate Supply _____ Yes ☒ No _____

Explain _____

Topography Bench and rolling landInformation From John (Wigand)Remarks Has 100 shares (100 MT) inBig Timber Co. Canal Co.

(14)



① B. T. Co Canal water, dropped into spring, Guin
and carried down onto Vik's land. d

② Hopes to in the near future to arrange at
least 100 more acres. The water is
available.

LYLE BROWNELL OFFICE

LYLE BROWNELL OFFICE

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 3 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	22	23	24
30	29	28	A 27	26	25
31	32	33	C	35	36

Township _____ Rang _____

Township 3 North Range 14 East County Sweet Grass

[illegible]

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 27A-28C

27A-28C

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner Vik Chris Address Big Timber

Name of Operator John Weigand Address " "

Legal Description _____

☐ Irrigated Land

☐ Non-Irrigated Land

☒ Potential Land Under Existing Facilities

North



Code No. 27A, 28C System B.T. Cr. Canal Co. Ditch Source of Water N.Fk Big Timber Creek
Basin Big Timber Creek Present 9.5 Potential 39.4 Maximum 48.9 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 J.E. Cook Date May 1, 1951



FORM F-1 • GAZETTE 1665-2M-1-4

Farm Checked

STATE OF MONTANA

Code No. 2813

By James A. Boh

STATE ENGINEER'S OFFICE

County Sweet Grass

Area Sea Mine

WATER RESOURCES SURVEY

T. 34 N. R. 14 E. Sec. 28

Date: June 13 1950

Photo No. MA-11A-208

Legal Land Owner Zehm, Mrs. Pliny

Address Big Timber

Operator Same

Address _____

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Sand Under Big T. Co. Canal Co Pres. O 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 none shown App. No. 100-100000

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 (No Irrigation)

Acres Irrigated 1950, 0

Potential Acres _____ Seeped ^{some alkali} 7 acres used as pasture

Explain

Condition of System no lateral to place

Adequate Supply ----- Yes ~~not~~ ----- No

Explain

Topography Rolling bench land

Information From Brya Kung, H/Hm

Remarks About 25 years since it
was irrigated. Does not intend
to irrigate.

Twp. 3N - Rge. 14E

A hand-drawn graph on a grid. The horizontal axis is labeled '2.8' and the vertical axis is labeled 'B'. A horizontal line is drawn at the level of '2.8' on the horizontal axis.

[illegible]

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweet Grass

Code No. 28 B

Twp. 5N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner Mrs. Pliny Zehra Address Big Timber

Name of Operator _____ Address _____

Legal Description _____



Irrigated Land



Non-Irrigated Land
North



Potential Land Under Existing Facilities

Code No. 28 B System Big Timber Creek Canal Co. Ditch Source of Water N. Fk. Big Timber Creek

Basin Big Timber Creek Present 0 Potential 120 Maximum 120 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 J. E. Carl Date May 4, 1951

Farm Checked

STATE OF MONTANA

Code No. 34BBy Jim & Bob

STATE ENGINEER'S OFFICE

County Sweet GrassArea Big Timber Co.

WATER RESOURCES SURVEY

T. 3N R. 14E Sec. 34Date June 15, 1950Photo No. MA-11A-207Legal Land Owner Warp, Harold Address _____

(A Contr. Sale has been to Bert Powell - Bozeman)

Operator Solberg, Ole Address Big Timber

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company Big Timber Co. Canal Co. Pres. 130.0 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 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 Big Timber CreekAcres Irrigated 19.50 130.0Potential Acres ? Seeped _____

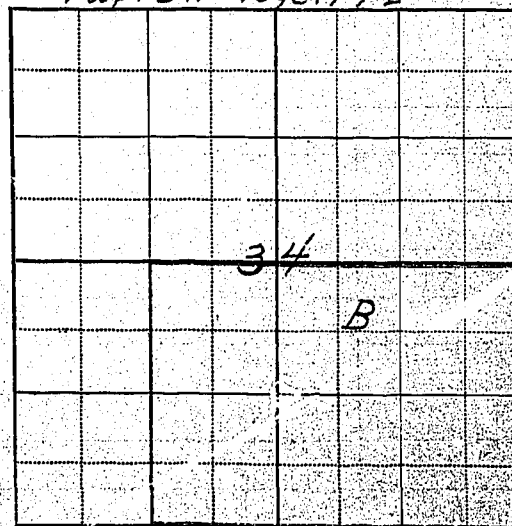
Explain _____

Condition of System GoodAdequate Supply Yes ☒ No _____

Explain _____

Topography Creek bottom & bench landInformation From Ole SolbergRemarks Buys 75 shares (75 MI) fromB.T. Co. Canal Co.

Twp. 3N - Rge. 14E



(14)

Ditches out of S. E. of Ten Mile Creek is just
to carry excess water from B. T. Co. Canal ditches.
All water is from B. T. CREEK CANAL CO. DITCH

ALVIN EMMERSON DITCH

22

ALVIN EMMERSON DITCH

18

ALVIN EMMERSON DITCH

22

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY
FARM MAP

County Sweetgrass

Code No. 34 B

Twp. 3N Rge. 14E

Twp. _____ Rge. _____

Twp. _____ Rge. _____

Name of Land Owner. WARR, HAROLD Address. _____

Name of Operator. Ole Solberg Address. Big Timber

Legal Description. _____

☐ Irrigated Land

☐ Non-Irrigated Land
North

☒ Potential Land Under Existing Facilities



Code No. <u>34 B</u>	System <u>B.T.C. Canal Co. Ditch</u>	Source of Water <u>N. Fk Big Timber Cr.</u>
Basin <u>Big Timber Cr.</u>	Present <u>97</u>	Potential <u>79</u> Maximum <u>176</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 _____
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 3 North - Range 15 E

(15)

Name of Owner	Township & Range
1. Thompson, Carl Arneson, Elmer	(15) 3N-15E (16) 3N-16E (21) 2N-14E (22) 2N-15E (28) 1N-14E
2. Carney, Paul B.	"
3. Crum, Geo. B.	" (9) 4N-15E (10) 4N-16E (16) 3N-16E
4. Glass, Wm.	"
5. Faw, Harold	"
6. Harms, Chas.	" (17) 3N-17E (14) 3N-14E
7. McCormick, Dominic	"
8. Osen, Albert	"
9. Osen, T. O.	"
10. Olin, Anshelm	"
11. Swanson, L.W. <i>Vernon M. Larson</i>	"
12. Sherod, Merritt C.	"

Township 3 North Range 15 East

County

Parcel Number	Name of Owner Appropriator	Address
Appropriation 78	Rid Land Grant Commissioners	
	Certain lands in 3N 15E Point of diversion beginning at SE corner Sec. 26 3N 13E on Big Timber Creek Canal about 20 miles long	
Appropriation 95	Lee, Thomas K et al	Big Timber, Mont.
	Lands in 3N 15E 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.	Bozeman, Mont.
	Lands lying in 3N 15E Point of diversion on North Fork (sometimes called the East Fork) of Big Timber Creek is 1024 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.	Bozeman, Mont.
	Lands lying in 3N 15E 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.	Big Timber, Mont.
	Land in 3N 15E 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 996	Glass-Lindsay Land Co. (Mont.)	Helena, Mont.
	Land in 3N 15E. Water from unnamed springs in Sec. 2, 3N 15E near the SW corner of said section. 100 M.T.	
Appropriation 997	Glass-Lindsay Land Co.	Helena, Mont.
	Springs in Sec. 15 3N 15E 100 M.T.	

Township 3 North, Range 15 East

No.	Name of Appropriator	Name of Stream	Date App.	Date Filed	M.I.
111 ✓	Johnson, Emil et al	Big Timber Creek	3-3-03	3-3-03	2900
134 ✓	Stocker, Chas. F.	Big Timber Creek	7-25-06	8-13-06	12,000
274	Cummings, Eugene H.	Cameron Creek	8-5-88	8-18-88	—
427-A ✓	Tangen, Carl G.	Fallong Creek	1-27-10	1-27-10	160
528	Cummings, E. H.	Medicine Bow	5-10-99	5-24-99	500
574	Cross, Adaline E.	Otter Creek	4-17-99	4-21-99	300
575	Cross, Adaline E.	Otter Creek	- 99	4-21-99	200
601 ✓	Tangen, Carl	Otter Creek	6-17-96	6-18-96	300
742	Adam, Edward & Emil et al	Sweetgrass Creek	4-19-93	4-19-93	3000
830 ✓	Tangen, Carl	Sweetgrass Creek	6-23-04	6-23-04	300
842 ✓	Tangen, Carl T.	Tangen Creek	1-27-10	1-27-10	50
943	Tangen, Carl	Gust Rue Spring	4-12-15	4-12-15	50
956	Tangen, Carl G.	Stocker & Tangen Spring	4-10-31	4-10-31	100
1045	Olin, Anshelm	Unnamed Spring	3-15-19	3-15-19	25
1088	Glass, Alex J.	Flood Water	9-24-06	9-24-06	20,000
D-267	Adam, Ed & Emil	Swamp Creek	6-1-89		50
D-268	Adam, Ed & Emil	Swamp Creek	5-20-99		100
D-269	" " "		9-1-04		300
D-270	Adam, Kate	Swamp Creek	9-1-04		300
D-287	Cummings Eugene	Sweetgrass Creek	9-21-01		125
D-338	Nevin, David	Sweetgrass Creek	9-21-01		125

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 3N Range 15E County Sweet Grass

			1660				
6	5	4	3	2	1		
7	8	9	10	11	12		
18	17	16	15	14	13	1660	
19	20	21	22	23	24		
30	29	28	27	26	25		
31	32	33	34	35	36		

Transcribed from Park County

Township 3N Range 15E

Farm Checked

STATE OF MONTANA

Code No. 1812

By EC + MT

STATE ENGINEER'S OFFICE

County Sweetgrass

Area Otter Cr.

WATER RESOURCES SURVEY

T. 32 R. 10E Sec. 18

Date Aug 8, 1950

Photo No. MA-12A-18

Legal Land Owner Paul B. Carney

Address _____

Operator Phil Cummings

Address Big Timber

Water is delivered by:

Federal Project _____ Pres. _____ Pot. _____

Ditch Company _____ Pres. _____ Pot. _____

Irrigation District 2 Cummings ditches Pres. _____ Pot. _____

Private System _____ Pres. _____ Pot. _____

Totals _____

Flood _____ Pump _____ Reservoir _____ Gravity ☒

Size and Capacity, Pump, etc. _____

Original Appropriator, Company Eugene Cummings (Chas. Stocken) App. No. 274, 134, 528,

Original Appropriator, Private E. H. Cummings App. No. D-287

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) Complete (possible)

Source of Water Cameron Cr.; Big Timber Cr.; Medicine
Brew; Sweetgrass Cr.

Acres Irrigated 19 50 76

Potential Acres 6 Seeped 0

Explain _____

Condition of System Fair

Adequate Supply Yes ☒ No _____

Explain Otter Cr. runs year around

Topography Creek bottom

Information From Phil Cummings

Remarks - over -
