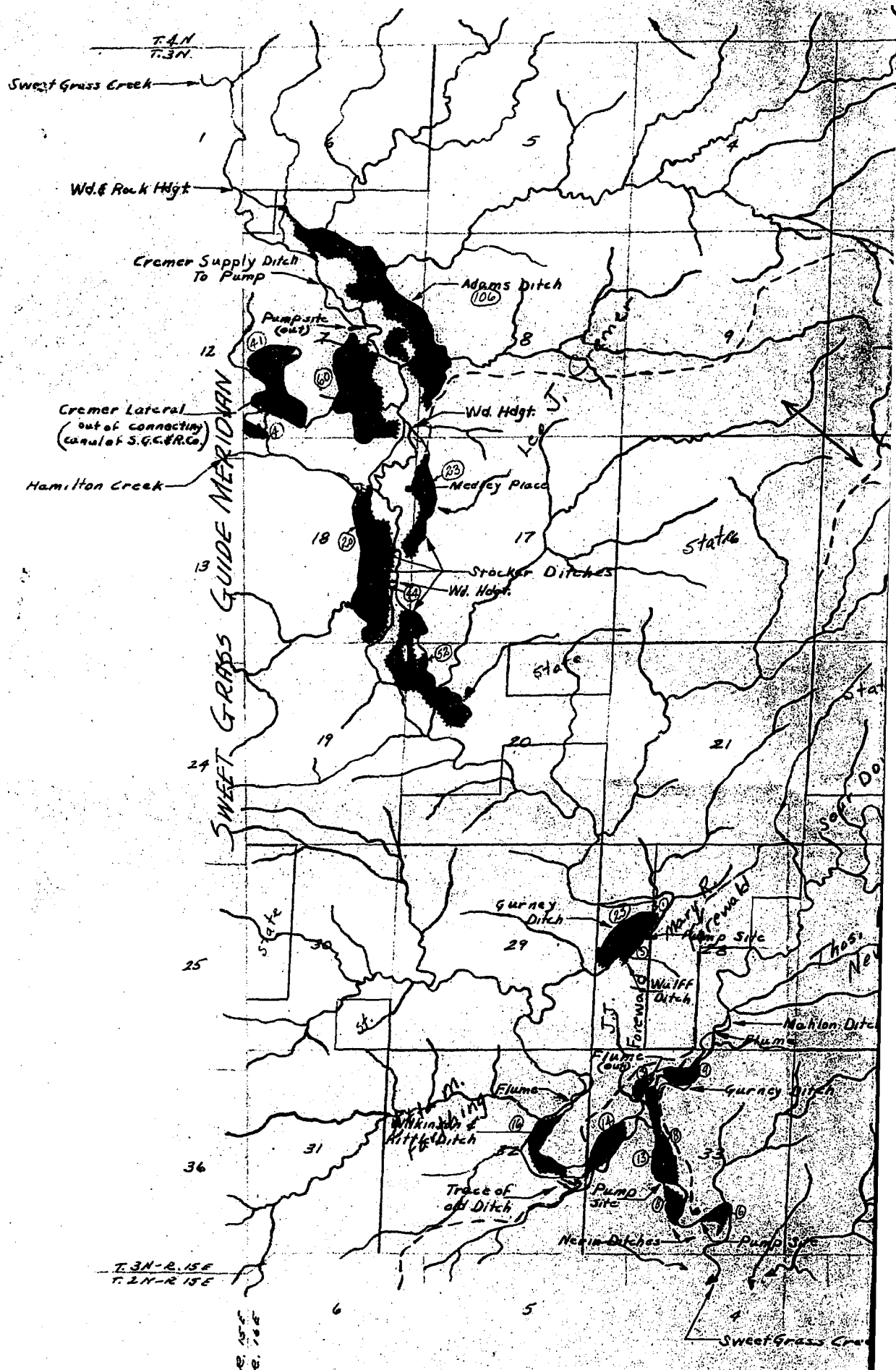


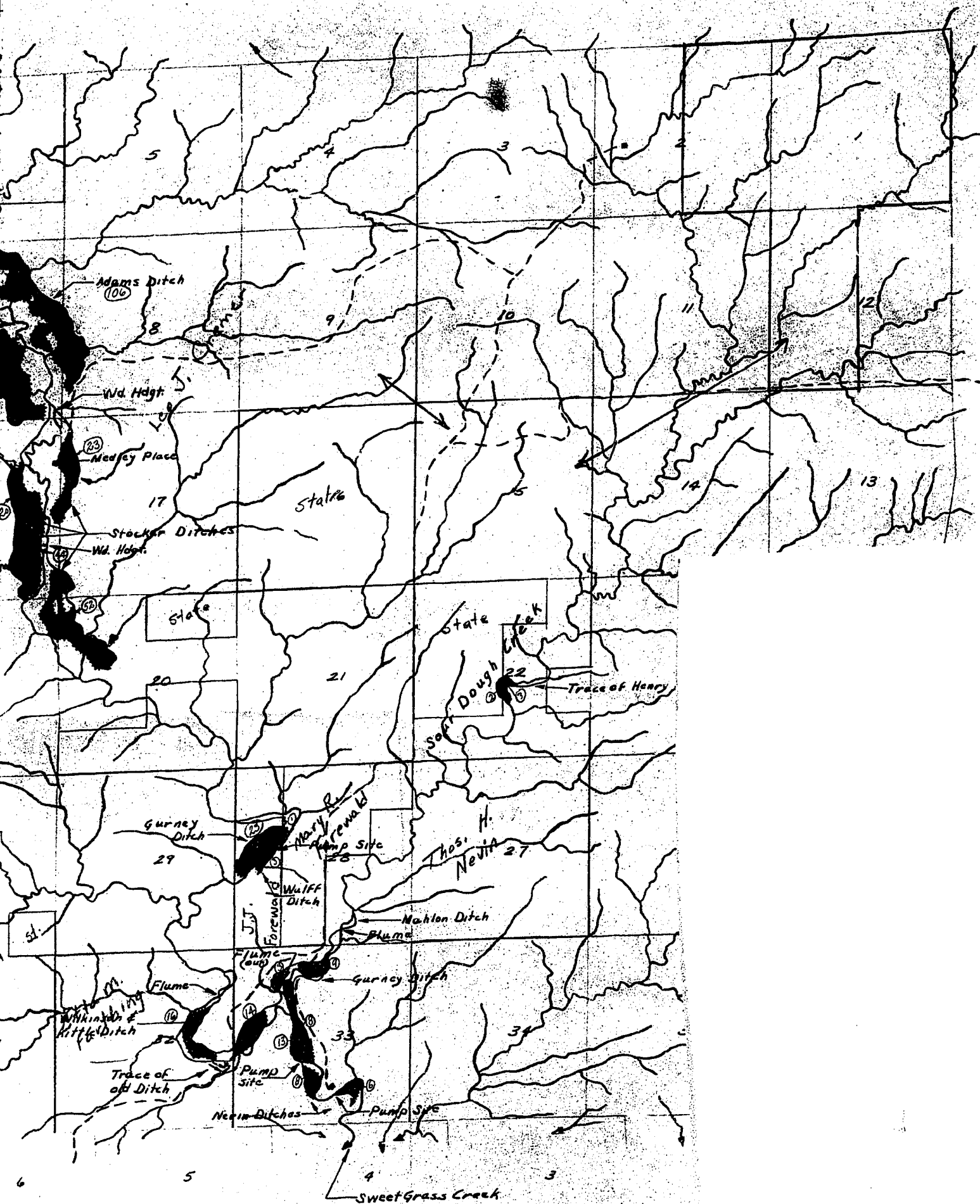
Township 3 North Range 16 East County Sweet Grass

[illegible]

# STATE OF MICHIGAN

1 to Jan. 23, 1951.





STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. \_\_\_\_\_

Twp. 3N Rge. 16E

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

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

Name of Land Owner CREMER, LEO J. et ux Address Shawmut

Name of Operator Same Address "

Legal Description \_\_\_\_\_



Irrigated Land



Non-Irrigated Land



Potential Land Under Existing Facilities

North

Code No. <u>6C, 7A, 8A</u>	System <u>Adams Ditch</u>	Source of Water <u>Sweet Grass Cr.</u>
Basin <u>Sweet Grass</u>	Present <u>100</u> Potential <u>0</u> Maximum <u>100</u>	R <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/>
Code No. <u>7A, 18A</u>	System <u>Sweet Gr. Canal &amp; Res. Co.</u>	Source of Water <u>Sweet Grass Cr.</u>
Basin <u>Sweet Grass</u>	Present <u>105</u> Potential <u>0</u> Maximum <u>105</u>	R <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/>
Code No. <u>17A, 18A, 19A, 20A</u>	System <u>Stacker Ditches</u>	Source of Water <u>Sweet Grass Cr.</u>
Basin <u>Sweet Grass</u>	Present <u>119</u> Potential <u>0</u> Maximum <u>119</u>	R <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/>
Code No. <u>18A</u>	System <u>Stacker Ditch</u>	Source of Water <u>Hamilton Creek</u>
Basin <u>Sweet Grass</u>	Present <u>20</u> Potential <u>0</u> Maximum <u>20</u>	R <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/>

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. 350 M.F. from Sweet Grass Canal & Res. Co. - uses own lateral

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 3/30



STATE OF MONTANA

# State Engineer's Office

WATER RESOURCES SURVEY

## FARM MAP

County Sweetgrass

Code No. \_\_\_\_\_

Twp. 3N Rge. 16E

Sec. \_\_\_\_\_ Rge. \_\_\_\_\_

Owner CREMER, LEO J. et ux Address Summit

or same Address \_\_\_\_\_

☐ Non-Irrigated Land  
North

☐ Potential Land Under Existing Facilities

Code No. 22 d System Henry Ditch Association Source of Water Sanough Creek

Basin Sweetgrass Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ 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 \_\_\_\_\_ Date \_\_\_\_\_

Farm Checked

STATE OF MONTANA

Code No. 6ABy M.T. RBR

## STATE ENGINEER'S OFFICE

County Sweet GrassArea Sweet Grass

WATER RESOURCES SURVEY

T. 3N R. 16E Sec. 6Date 8-19-50Photo No. MA-7A-116

Legal Land Owner

Crum, Geo. B.Address Big Timber

Operator

Same

Address " "

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

no irrigation + no ditches Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity \_\_\_\_\_

Size and Capacity, Pump, etc. \_\_\_\_\_

Original Appropriator, Company (The Adam right was sold to the Sweet Grass Ros + Canal Co.)Adams, Emil Jr.Original Appropriator, Private Cramer Roden L. & L. Co. App. No. 1100, 744, 743

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 Sweetgrass Creek, Swamp Creek

Acres Irrigated 19 \_\_\_\_\_

Potential Acres \_\_\_\_\_ Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System \_\_\_\_\_

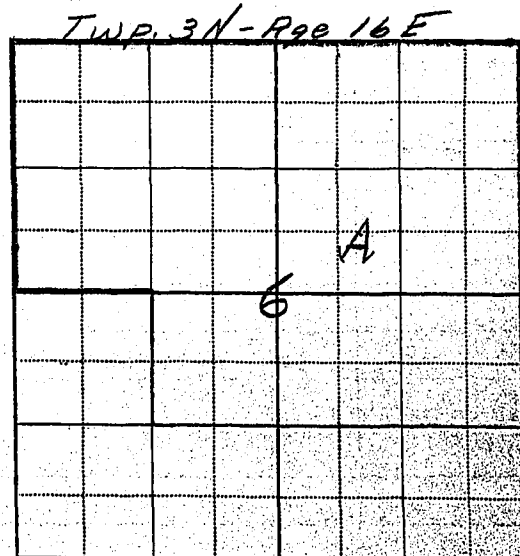
Adequate Supply \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography \_\_\_\_\_

Information From Geo. Crum

Remarks \_\_\_\_\_



Farm Checked

STATE OF MONTANA

Code No. 32ABy E.C. J.R.H.

# STATE ENGINEER'S OFFICE

## WATER RESOURCES SURVEY

County Sweet GrassArea Sweetgrass CrT. 3 N R. 16 E Sec. 32Date 6-28-50Photo No. MA-7A-118

Legal Land Owner

Farthing, Etta M.Address Big Timber

Operator

Wilson, Chas.

Address " "

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System ☒ \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity ☒

Size and Capacity, Pump, etc. \_\_\_\_\_

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private Kelsey, Mary J. App. No. 800Is 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 Sweetgrass CreekAcres Irrigated 19 50 0Potential Acres 16 Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System poor

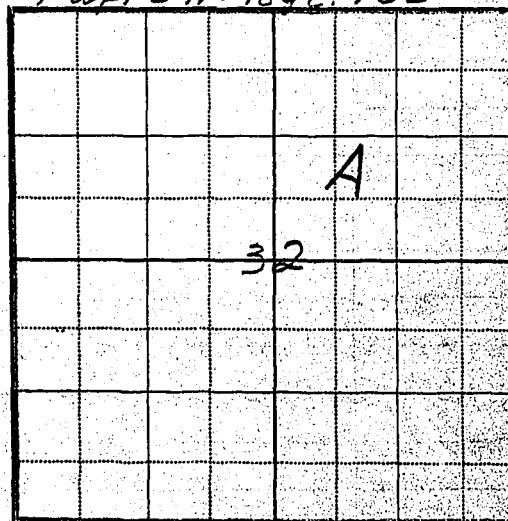
Adequate Supply \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography \_\_\_\_\_

Information From Chas. WilsonRemarks over

Twp. 3 N - Rge. 16 E



Traces of the two Kelsey ditches are visible on the west side of Sweetgrass Cr. These ditches are not in use and there is no decreed right held on these lands. The land under the ditch would constitute approximately one acre.

Lands lying below the Wilkinson & Kittle ditch in Section 22 are classified as potential due to the possibility of using the ditch to convey water to these lands if a right were to be obtained in some manner.

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

County Sweetgrass  
Code No. 32A

Twp. 3N Rge. 16E  
Twp. \_\_\_\_\_ Rge. \_\_\_\_\_  
Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Name of Land Owner FARHING, ETIA M. Address Big Timber  
Name of Operator Wilson, Chas. Address " "  
Legal Description \_\_\_\_\_

☐ Irrigated Land

☐ Non-Irrigated Land  
North

☒ Potential Land Under Existing Facilities



Code No. 32A System Wilkinson & Kittle Ditch (not in use) Source of Water Sweet Grass Cr.  
Basin Sweet Grass Present 0 Potential 16 Maximum 16 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 \_\_\_\_\_ Date \_\_\_\_\_

Farm Checked

STATE OF MONTANA

Code No. 28A

By Bill & Bob

**STATE ENGINEER'S OFFICE**

County Sweet Grass

Area Sweetgrass Cr.

WATER RESOURCES SURVEY

T. 3N R. 16E Sec. 28

Date Aug. 28, 1950

Photo No. MA-7A-118

Legal Land Owner Forewald, U. I.

Address Big Timber

Operator Same O. H. Wulff  
Buying on contract.

Address "

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System Gurney ditch Pres. 15.0 Pot. \_\_\_\_\_

Wulff ditch Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump ☒ Reservoir \_\_\_\_\_ Gravity ☒

Size and Capacity, Pump, etc. Centrifugal - 10" intake tractor powered

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private Gurney, Thomas M. App. No. 786

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 Sweetgrass Creek

Acres Irrigated 1950 15.0 (same on other form)

Potential Acres \_\_\_\_\_ Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System \_\_\_\_\_

Adequate Supply \_\_\_\_\_ Yes ☒ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography Creek bottom

Information From O. H. Wulff

Remarks \_\_\_\_\_

Twp. 3N - Rge 16E


Gurney ditch out of Sweet Grass Cr. on west side.  
Point of diversion in Sec 14. in NW<sup>4</sup> Sec 28  
T3N-R16E. Ditch in good condition.

Wulff ditch out of Sweet Grass Creek on east side.  
A traction powered pump is located in SW<sup>4</sup> of NW<sup>4</sup> Sec 28  
and puts water in the Wulff ditch to irrigate lands in  
SW<sup>4</sup> NW<sup>4</sup> Sec 28 T3N-R16E. This pump & ditch were  
installed in 1948.

**Farm Checked**

**STATE OF MONTANA**

Code No. 28B

By Bill C. Davis

# STATE ENGINEER'S OFFICE

County Sweet Grass

Area: Sweet grass Cr.

# WATER RESOURCES SURVEY

T. 3 N. 16 E. Sec. 28

Date Aug. 28, 1950

Photo No. MA-7A-117

Legal Land Owner Forewald, Mary R.

Address Big Timber

Operator Foreward, V.V. - O. H. Wolf

Address \_\_\_\_\_

**Water is delivered by:**

Buying on Contract

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System Pres. 15-0 Pot.

**Totals**

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity ☒

### Size and Capacity, Pump, etc.

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private Gurney, Thomas M App. No. 786

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 Sweetgrass Creek

Acres Irrigated 19 50, 151.0 same another form

Potential Acres \_\_\_\_\_ Seeped \_\_\_\_\_

**Explain** \_\_\_\_\_

Condition of System \_\_\_\_\_

Adequate Supply ..... Yes ✓ No \_\_\_\_\_

Explain

Topography Creek bottom & bench

Information From \_\_\_\_\_

Remarks \_\_\_\_\_

\_\_\_\_\_

⑥ 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

TWP. 3N - R9E 16E

A 10x10 grid with a thick border. The letter 'B' is written in the 4th column and 7th row. The number '28' is written in the 5th column and 7th row.



STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 28A

Twp. 3N Rge. 16E

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

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

Name of Land Owner FORREWARD, J.J. Address Big Timber

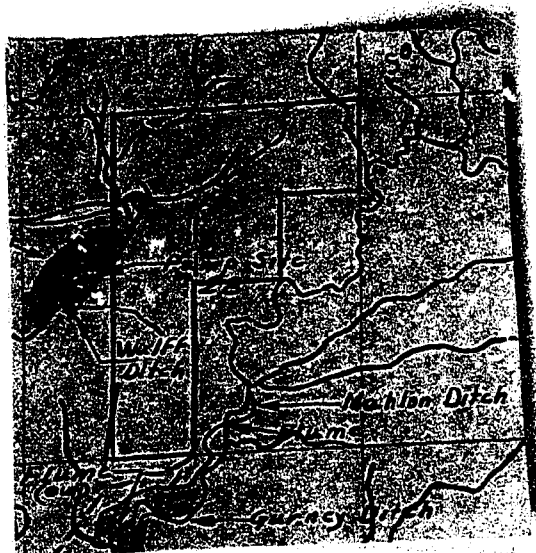
Name of Operator (Buying) O.H. Wolff Address " "

Legal Description \_\_\_\_\_

☐ Irrigated Land

☐ Non-Irrigated Land  
North

☒ Potential Land Under Existing Facilities



Code No. 28A System Wolff Ditch Source of Water Sweet Grass Cr.

Basin Sweet Grass Present 24 Potential 0 Maximum 24 R ☒ F ☒ P ☒ G ☒ S ☒

Code No. 28A, 28B System Gurney Ditch Source of Water Sweet Grass Cr.

Basin Sweet Grass Present 3 Potential 0 Maximum 3 R ☒ F ☒ P ☒ G ☒ S ☒

Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R \_\_\_\_\_ F \_\_\_\_\_ P \_\_\_\_\_ G \_\_\_\_\_ S \_\_\_\_\_

Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R \_\_\_\_\_ F \_\_\_\_\_ P \_\_\_\_\_ G \_\_\_\_\_ S \_\_\_\_\_

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

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

Information from \_\_\_\_\_ Date \_\_\_\_\_

Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER IM 3-49 17380

By Jim + Bob

State Engineer's Office

Code No. 2A, 3A, 11A, 13A, 14A, 23, 24

Area Sour Dough Cr.

WATER RESOURCES SURVEY

County Sweetgrass

Date April 25, 1950

T. 3N R. 10E Sec. 2, 3, 11, 13, 14, 23, 24

Photo No. \_\_\_\_\_

Legal Land Owner Lien, Anton Est

Address Big Timber

Operator Lien, Geo.

Address \_\_\_\_\_

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System 1 Ditch out of Sour Dough Cr. Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

but no filing or decree 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 Sour Dough Cr.

Acres Irrigated 19 50 None

Potential Acres \_\_\_\_\_ Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System not used for many years

Adequate Supply..... Yes \_\_\_\_\_ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography \_\_\_\_\_

Information From George Lien

Remarks No App. filings or decrees

shown. - no ditch mapped


46

STATE OF MONTANA  
**STATE ENGINEER'S OFFICE**  
 WATER RESOURCES SURVEY

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

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

Township..... Range.....

STATE OF MONTANA

# State Engineer's Office

WATER RESOURCES SURVEY

## FARM MAP

County Sweetgrass

Code No. 2A-3A-11A-13A-

14A-23A-24A

Twp. 3N Rge. 16E

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

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

Name of Land Owner LIEN, ANTON EST. Address Big Timber

Name of Operator LIEN, G.E.R. Address " "

Legal Description \_\_\_\_\_



Irrigated Land

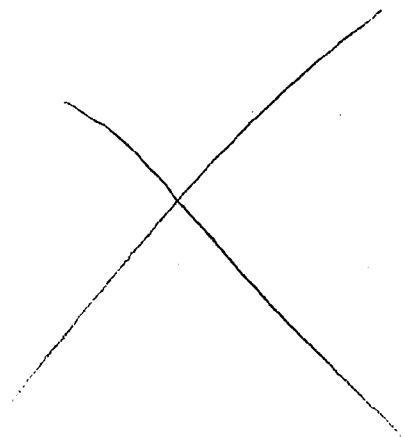


Non-Irrigated Land

North



Potential Land Under Existing Facilities



Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R. \_\_\_\_\_ F. \_\_\_\_\_ P. \_\_\_\_\_ G. \_\_\_\_\_ S. \_\_\_\_\_

Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R. \_\_\_\_\_ F. \_\_\_\_\_ P. \_\_\_\_\_ G. \_\_\_\_\_ S. \_\_\_\_\_

Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R. \_\_\_\_\_ F. \_\_\_\_\_ P. \_\_\_\_\_ G. \_\_\_\_\_ S. \_\_\_\_\_

Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R. \_\_\_\_\_ F. \_\_\_\_\_ P. \_\_\_\_\_ G. \_\_\_\_\_ S. \_\_\_\_\_

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

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

Information from \_\_\_\_\_ Date \_\_\_\_\_

Farm Checked

## STATE OF MONTANA

Code No. 220

By \_\_\_\_\_

## STATE ENGINEER'S OFFICE

County Sweet Grass

Area \_\_\_\_\_

## WATER RESOURCES SURVEY

T. 3N R. 16E Sec. 22

Date \_\_\_\_\_

Photo No. \_\_\_\_\_

Legal Land Owner Montana, State of Address \_\_\_\_\_

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

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System Henry Ditch Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity \_\_\_\_\_

Size and Capacity, Pump, etc. \_\_\_\_\_

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private \_\_\_\_\_ App. No. \_\_\_\_\_

Is the system an extension of another system? Yes \_\_\_\_\_ No \_\_\_\_\_

Is all land irrigated from one system? Yes \_\_\_\_\_ No \_\_\_\_\_

(If No, show break down on map)

Source of Water Sour Dough CreekAcres Irrigated 19 50 0Potential Acres 2 Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System \_\_\_\_\_

Adequate Supply \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography \_\_\_\_\_

Information From \_\_\_\_\_

Remarks \_\_\_\_\_

				B		
				22		

STATE OF MONTANA

# State Engineer's Office

WATER RESOURCES SURVEY

## FARM MAP

County Sweet Grass

Code No. 2213

wp. 3 N Rge. 16 E

wp. \_\_\_\_\_ Rge. \_\_\_\_\_

wp. \_\_\_\_\_ Rge. \_\_\_\_\_

Name of Land Owner Montana, State of Address \_\_\_\_\_

Name of Operator \_\_\_\_\_ Address \_\_\_\_\_

Legal Description \_\_\_\_\_



Irrigated Land

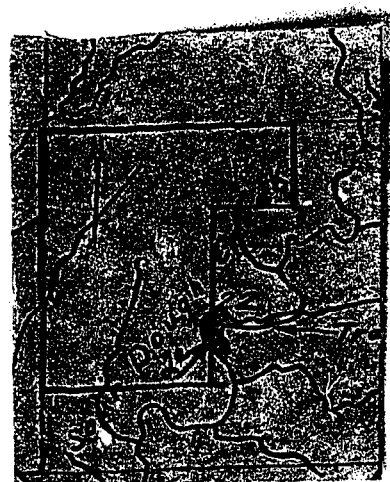


Non-Irrigated Land



Potential Land Under Existing Facilities

North



Code No. 2213 System Henry Ditch (not in use) Source of Water Sour Daugh Cr.

Basin Sweet Grass Present 2 Potential 2 Maximum 2 R ✓ F ✓ P ✓ G ✓ S ✓

Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R \_\_\_\_\_ F \_\_\_\_\_ P \_\_\_\_\_ G \_\_\_\_\_ S \_\_\_\_\_

Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R \_\_\_\_\_ F \_\_\_\_\_ P \_\_\_\_\_ G \_\_\_\_\_ S \_\_\_\_\_

Code No. \_\_\_\_\_ System \_\_\_\_\_ Source of Water \_\_\_\_\_

Basin \_\_\_\_\_ Present \_\_\_\_\_ Potential \_\_\_\_\_ Maximum \_\_\_\_\_ R \_\_\_\_\_ F \_\_\_\_\_ P \_\_\_\_\_ G \_\_\_\_\_ S \_\_\_\_\_

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

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

Information from \_\_\_\_\_ Date \_\_\_\_\_

**Farm Checked**

**STATE OF MONTANA**

Code No. 1213

By BS. + RR

# STATE ENGINEER'S OFFICE

## WATER RESOURCES SURVEY

County Sweet Grass

Area Gibson

T. 3N R. 16E Sec. 12

Date 8-28-50

Photo No. MA-9A-179

**Legal Land Owner:**

Нейтцер, Л. Г.

Address Big Timber

### Operator

Same

Address \_\_\_\_\_

**Water is delivered by:**

Federal Project \_\_\_\_\_ Pres \_\_\_\_\_ Pot \_\_\_\_\_

Ditch Company. \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

No ditches - no irrigation Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity \_\_\_\_\_

### Size and Capacity, Pump, etc.

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private Osborne, Roy App. No. 667

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: Sour Dough Creek

Acres Irrigated 19 50 0

Potential Acres 0 Seeped           

Explain

Condition of System \_\_\_\_\_

Adequate Supply .... Yes\_\_\_\_\_ No\_\_\_\_\_

**Explain** \_\_\_\_\_

### Topography

Information From J. G. Newmayer

Remarks \_\_\_\_\_

\_\_\_\_\_

Twp. 3 N - Rge. 16 E

12 B

⑤

Farm Checked

STATE OF MONTANA

FORM F-1 - GAZETTE 1968-24-1-47

By E.C. Y.B.

**STATE ENGINEER'S OFFICE**

Code No. 27A, 28C, 33A

Area Sweetgrass Cr

WATER RESOURCES SURVEY

County Sweet Grass

Date 6-30-50

T. 3 N R. 16 E Sec. 27, 28, 33

Photo No. MA-7A-118

Legal Land Owner Nevin, Thos. H.

Address Big Timber

Operator Same

Address " "

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System ✓ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump ✓ Reservoir \_\_\_\_\_ Gravity ✓

Size and Capacity, Pump, etc. 6" double intake centrifugal - Tractor operated

Original Appropriator, Company Mahlon, Henry J. - Wilkinson, A.F. App. No. \_\_\_\_\_

Original Appropriator, Private Kittle, P.M. - Gurney, Thomas M. App. No. D-233, D-325, 665  
786, 801,

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 Sweetgrass Creek, Sour Dough Cr.

Acres Irrigated 19 50 14

Potential Acres 47 Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System Poor

Adequate Supply \_\_\_\_\_ Yes \_\_\_\_\_ No ✓

Explain \_\_\_\_\_

Topography Creek bottom

Information From Tom Nevin

Remarks OVER


(16)



The only irrigation Nevins does is by pumping out of Sweet Grass Cr. on the West side.

All of the remaining ditches are in poor condition and, according to Nevins, do not warrant repair.

The Mahlon Ditch, <sup>& Gurney Ditch</sup> out of Sour Dough Creek are not in use due to lack of water in the creek after early spring.

The Wilkinson & Kittle Ditch out of Sweet Grass Creek is not in use due to the almost impassible shale slopes over which it traverses and the poor repair of flumes.

STATE OF MONTANA  
**State Engineer's Office**  
WATER RESOURCES SURVEY

Township 3 North Range 16 East County Sweet Grass

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

Handwritten annotations on the grid:

- Section 28 is labeled 'C'.
- Section 27 is labeled 'A'.
- Section 33 is labeled 'A'.

Township \_\_\_\_\_ Range \_\_\_\_\_

Township 3 North Range 16 East County Sweet Grass

[illegible]

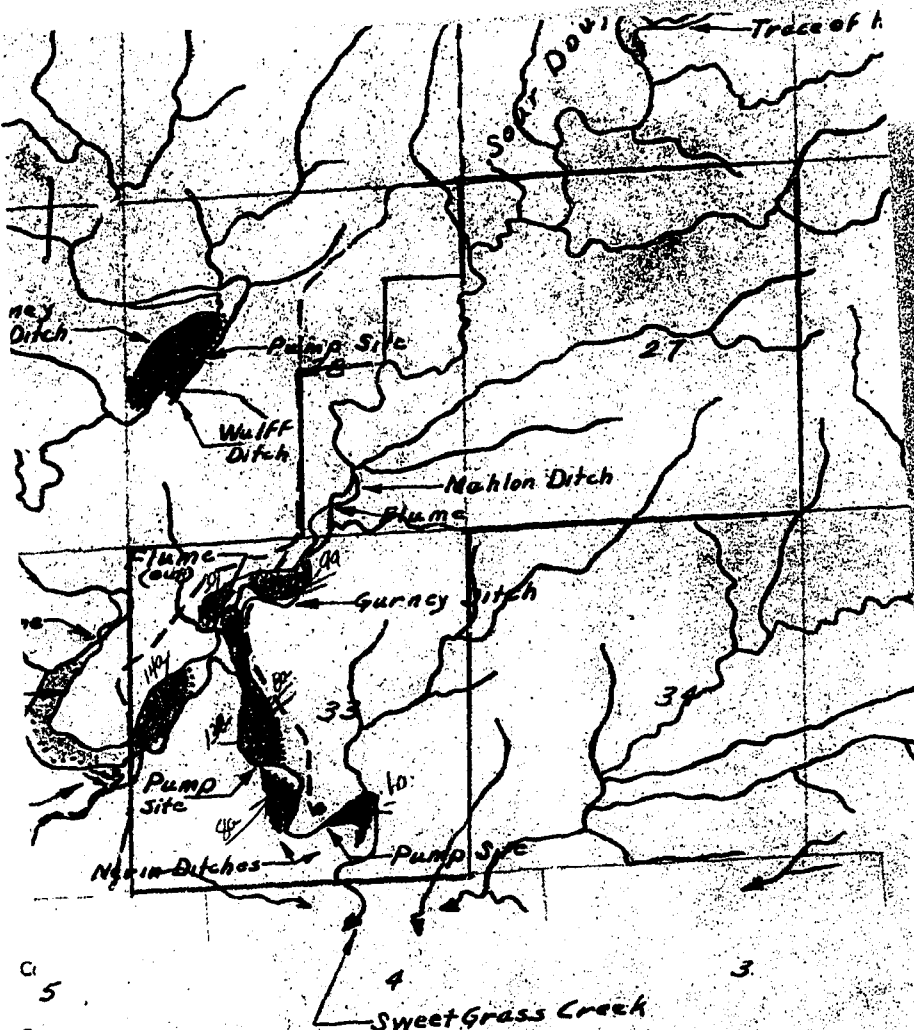
STATE OF MONTANA  
**State Engineer's Office**  
WATER RESOURCES SURVEY  
FARM MAP

County Sweetgrass  
Code No. 27A-28A-33A

Twp. 3N Rge. 16E  
Twp. \_\_\_\_\_ Rge. \_\_\_\_\_  
Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Name of Land Owner. NEVIN, THOS. H. Address. Big Timber  
Name of Operator. SAVAGE Address. \_\_\_\_\_  
Legal Description. \_\_\_\_\_

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



Cr  
5  
Cr

Source of Water Sour Ditch Creek  
num. 12 R. ☒ F. ☐ P. ☐ G. ☒ S. ☐  
Source of Water Sour Ditch Creek

Basin <u>Sweet Grass</u>	Present <u>0</u>	Potential <u>8</u>	Maximum <u>8</u>	R. <input checked="" type="checkbox"/> F. <input type="checkbox"/> P. <input type="checkbox"/> G. <input checked="" type="checkbox"/> S. <input type="checkbox"/>
Code No. <u>33A</u>	System <u>Wilkinson &amp; Kittle (not in use)</u>			
Basin <u>Sweet Grass</u>	Present <u>0</u>	Potential <u>2.7</u>	Maximum <u>2.7</u>	R. <input checked="" type="checkbox"/> F. <input type="checkbox"/> P. <input type="checkbox"/> G. <input checked="" type="checkbox"/> S. <input type="checkbox"/>
Code No. <u>33A</u>	System <u>Nevin Ditches</u>			
Basin <u>Sweet Grass</u>	Present <u>1.4</u>	Potential <u>0</u>	Maximum <u>1.4</u>	R. <input checked="" type="checkbox"/> F. <input type="checkbox"/> P. <input type="checkbox"/> G. <input checked="" type="checkbox"/> S. <input type="checkbox"/>

If under Ditch Company, Irrigation District, or Government Project, state the number of shares or inches, acre feet, as the case may be in said system.  
NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation. P—Water diverted by means of pumping. G—Water diverted by gravity. S—Stored Water.  
Information from \_\_\_\_\_ Date \_\_\_\_\_

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No. 27A-28A-33A

Twp. 3N Rge. 16E

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

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

Name of Land Owner NEVIN, THOS. H. Address Big Timber

Name of Operator Same Address \_\_\_\_\_

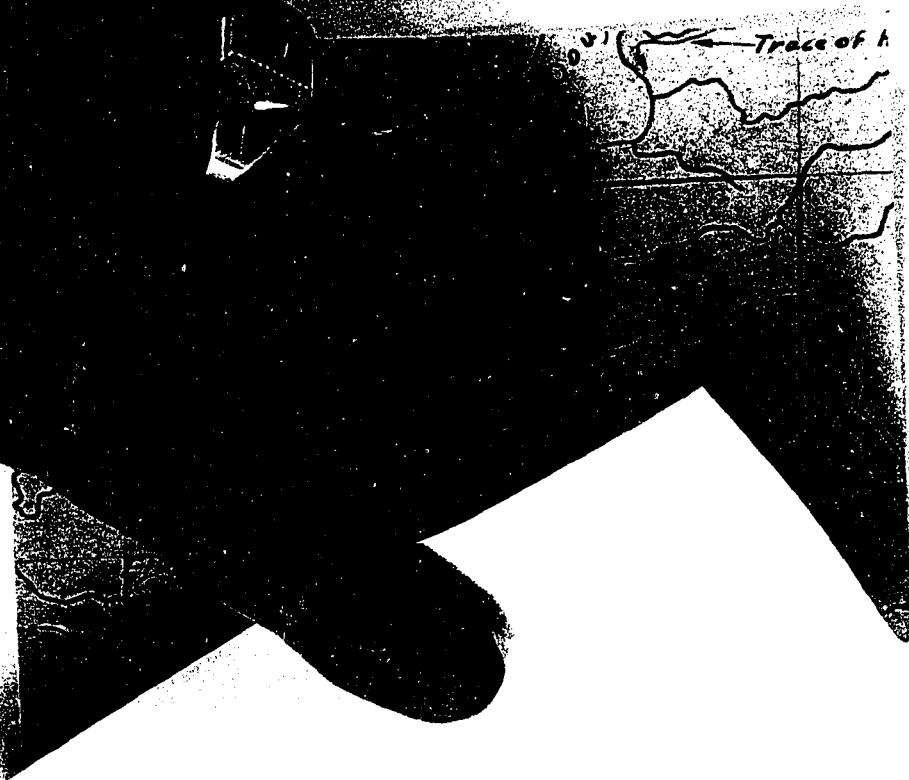
Legal Description \_\_\_\_\_

☒ Irrigated Land

☐ Non-Irrigated Land

☒ Potential Land Under Existing Facilities

North



Code No. <u>28C, 23H</u>	System <u>Mahlon Ditch (not in use)</u>	Source of Water <u>Sour Dough Creek</u>
Basin <u>Sweet Grass</u>	Present <u>0</u> Potential <u>12</u> Maximum <u>12</u>	R. <input checked="" type="checkbox"/> F. <input type="checkbox"/> P. <input type="checkbox"/> G. <input checked="" type="checkbox"/> S. <input type="checkbox"/>
Code No. <u>33A</u>	System <u>Guiney Ditch (not in use)</u>	Source of Water <u>Sour Dough Creek</u>
Basin <u>Sweet Grass</u>	Present <u>0</u> Potential <u>8</u> Maximum <u>8</u>	R. <input checked="" type="checkbox"/> F. <input type="checkbox"/> P. <input type="checkbox"/> G. <input checked="" type="checkbox"/> S. <input type="checkbox"/>
Code No. <u>33W</u>	System <u>Wilkinson &amp; Kettle (not in use)</u>	Source of Water <u>Sweet Grass Cr.</u>
Basin <u>Sweet Grass</u>	Present <u>0</u> Potential <u>2.7</u> Maximum <u>2.7</u>	R. <input type="checkbox"/> F. <input type="checkbox"/> P. <input type="checkbox"/> G. <input checked="" type="checkbox"/> S. <input type="checkbox"/>
Code No. <u>33A</u>	System <u>Nevin Ditches</u>	Source of Water <u>Sweet Grass Cr.</u>
Basin <u>Sweet Grass</u>	Present <u>14</u> Potential <u>0</u> Maximum <u>14</u>	R. <input checked="" type="checkbox"/> F. <input type="checkbox"/> P. <input checked="" type="checkbox"/> G. <input type="checkbox"/> S. <input type="checkbox"/>

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 \_\_\_\_\_

Township 3 North - Range 17 East

(17)

	Name of Owner	Township & Range
1.	Breeding, Gustave	(17) 3N-17E
2.	Fotland, Selmer	"
3.	Harms, Chas.	" (15) 3N-15E (14) 3N-14E
4.	Smith, Traver E.	"

STATE OF MONTANA

STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 3 North Range 17 East County Sweet Grass

6	5	4	3	457	2	1
7	87	9	10	11	12	
18	17	16	15	14	13	
19	20 889	21	22 971	23	24	
30	29	28	27	26	25	
31	32	33 832	34	35	36	

Township 3 North Range 17 East

Township 3 North, Range 17 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>
-832	Tintinger, L. P.	Sweetgrass Creek	8-24-08	8-24-08	All
-889	Hoyem, Jacob	Wild Cat Creek	10-9-07	10-9-07	100
-971	Blair, Geo. M.	Unnamed Spring	9-14-11	9-14-11	160
-457	Mitchell, Joseph E.	Forsythe Spring Creek	2-17-10	2-18-10	600



Farm Checked

STATE OF MONTANA

Code No. 2B, 3A, 10ABy BS & RB

## STATE ENGINEER'S OFFICE

County Sweet GrassArea Gibson

WATER RESOURCES SURVEY

T. 3N R. 17E Sec. 2Date 8-28-58Photo No. MA-14-185Legal Land Owner Breeding, GustaveAddress Big TimberOperator Same

Address " "

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

No ditches - no irrigation Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity \_\_\_\_\_

Size and Capacity, Pump, etc. \_\_\_\_\_

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private Mitchell, Joseph E App. No. 457

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 Forsythe Spring Creek

Acres Irrigated 19 \_\_\_\_\_

Potential Acres \_\_\_\_\_ Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System \_\_\_\_\_

Adequate Supply \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography \_\_\_\_\_

Information From Mrs. G. Breeding

Remarks \_\_\_\_\_


sac attached  
map

**STATE OF MONTANA**

# State Engineer's Office

WATER RESOURCES SURVEY

Township 3 North Range 17 East County Sweet Grass

The image shows a 36x36 grid. The numbers 1 through 36 are handwritten in a boustrophedon pattern, starting from the top right and moving left, then down, then right, and so on. A small diagram is located in the top right corner, consisting of a 3x3 grid of squares. The top-left square is labeled 'A', the top-right square is labeled 'B', and the middle-left square is labeled 'A'. The number '1302' is written in the top-right square. The diagram is drawn with thick black lines.

Township \_\_\_\_\_ Range \_\_\_\_\_





Farm Checked

By B. S. & E. C.

Area Cat Creek

Date \_\_\_\_\_

Legal Land Owner \_\_\_\_\_

Operator \_\_\_\_\_

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity \_\_\_\_\_

Size and Capacity, Pump, etc. \_\_\_\_\_

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private Hoyem, Jacob App. No. 889

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 Wild Cat Creek

Acres Irrigated 19 \_\_\_\_\_

Potential Acres \_\_\_\_\_ Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System \_\_\_\_\_

Adequate Supply \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography \_\_\_\_\_

Information From Field Survey

Remarks Entire Area surveyed

no trace of ditch visible

(17)

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

19A-20A-21A-22A

Code No. 30A-32A

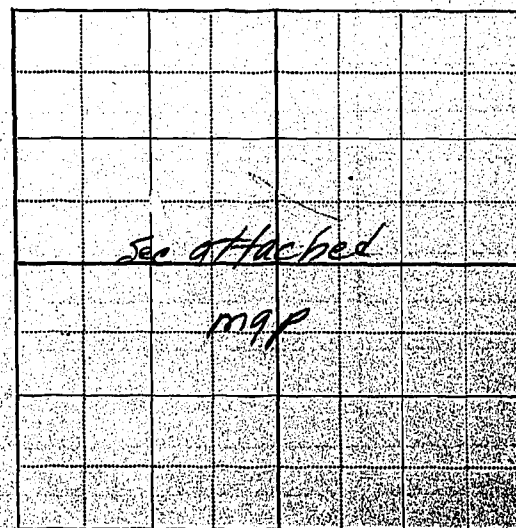
County Sweet Grass

T. 3N R. 17E Sec 20

Photo No. MA-9A-180

Address Big Timber

Address " "



STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 3 North Range 17 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

Handwritten 'A' marks are present in the following sections of the grid:

- Section 19 (row 4, column 1)
- Section 20 (row 4, column 2)
- Section 21 (row 4, column 3)
- Section 29 (row 5, column 1)
- Section 30 (row 5, column 2)
- Section 32 (row 6, column 2)

Township

Range





### Farm Checked

STATE OF MONTANA

Code No. 33A-34A-35A

By GMP & EC

# STATE ENGINEER'S OFFICE

County Sweet Grass

Area F. F. Sec. GP. Co.

# WATER RESOURCES SURVEY

T. 3N R. 17E Sec. 33

Date: 4-19-51

Photo No. MA-14-187

Legal Land Owner Smith, Traver &

Address Big Timber

Operator Same

Address \_\_\_\_\_

**Water is delivered by:**

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

	<b>Totals</b>
--	---------------

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity ☒ \_\_\_\_\_

Size and Capacity, Pump, etc.

Origin: Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private Tintinger, L. A. App. No. 832

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: Dry Fork Sweetgrass Creek - field ditch -

Acres Irrigated 1949, 0

Potential Acres 3 Seeped 1

Explain

Condition of System Good

Adequate Supply ..... Yes \_\_\_\_\_ No ✓

**Explain** \_\_\_\_\_

### Topography

Information From RAUER SMITH

Remarks \_\_\_\_\_

(OVER)

[illegible]





STATE OF MONTANA

*State Engineer's Office*

WATER RESOURCES SURVEY

Township 3 North Range 17 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

Diagram showing a survey area with a grid of 36 sections. Sections 33, 34, and 35 are highlighted with a thick border. Section 33 is labeled 'A' below it. Section 34 is labeled 'A' above it. Section 35 is labeled 'A' above it. A double-headed arrow is drawn between sections 34 and 35.

Township

Range

Township 3 North Range 17 East County Sweet Grass

[illegible]

Twp. 3 N Rge. 17 E

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

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

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

County Sweetgrass

Code No. 33A-34A-35A

Name of Land Owner SMITH, TRAYER E. Address Big Timber

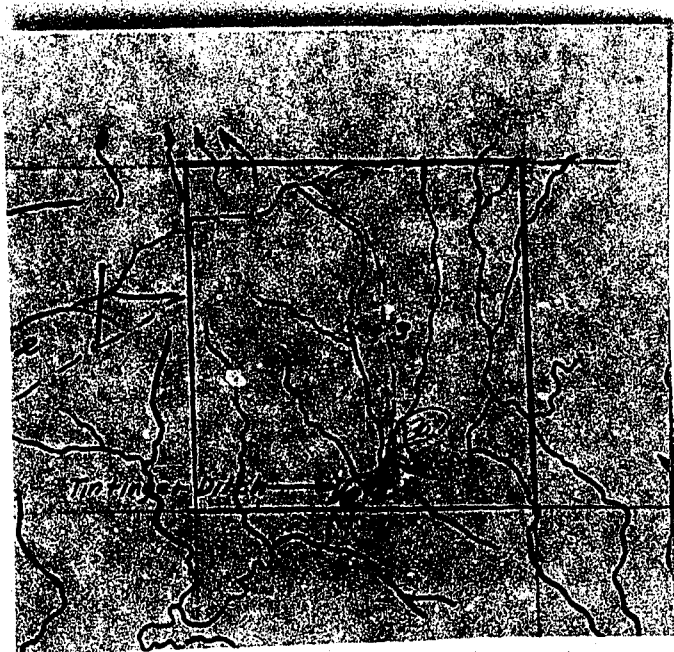
Name of Operator Gammie Address " "

Legal Description \_\_\_\_\_

☐ Irrigated Land

☐ Non-Irrigated Land  
North

☒ Potential Land Under Existing Facilities



Code No. 33A System Tintinger Ditch (not in use) Source of Water Dry Lk. Sweet Grass Cr.

Basin Sweet Grass Present 0 Potential 9 Maximum 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 \_\_\_\_\_ Date \_\_\_\_\_



Township 3 North - Range 18 East

(18)

	Name of Owner	Township & Range
✓ 1.	Burmeister, Ludwig	(18) 3N-18E
✓ 2.	Boddy, G.F.	"
✓ 3.	Cremer Rodeo & Cremer, Leo	" (9) 4N-15E
✓ 4.	Hoff, John C. et ux	"
✓ 5.	Harsha, E.A.	"
✓ 6.	Opland, Gilbert	"
✓ 7.	Opland, Martin est.	"



Township 3 North, Range 18 East

No.	Name of Appropriator	Name of Stream	Date App.	Date Filed	M.I.
297	Forsythe, B. O. and Rye, John	Coulee Creek	10-14-86	10-15-86	400
302A	Kavanaugh, Hugh	Coulee Creek	8-10-85	8-10-85	400
305	Rye, John	Coulee Creek	4-24-93	4-26-93	100
309	Forsyth, Santis	Coulee Creek	4-14-10	5-2-10	160
562A	Kavanaugh, Hugh	Coulee Creek	8-10-85	8-10-85	400
657	Harsha, Minnie	Sixshooter Creek <sup>N</sup>	7-26-11	8-5-11	200
659	Roberts, Wm. F.	Sixshooter Creek <sup>N</sup>	10-19-09	10-19-09	400
660	Whitney, Adelbert	Sixshooter Creek <sup>N</sup>	8-1-92	8-8-92	200
660A	Whitney, Adelbert	Sixshooter Creek <sup>N</sup>	7-20-92	8-8-92	200
705	Whitney, Adelbert	Spring Creek	8-1-92	8-8-92	200
929	Boddy, G. F.	Unnamed Stream	1-10-21	1-13-21	160
933	Nichel, Rudolph	Unnamed Spring	8-23-13	8-18-14	160
937	Woorum, Henry	Unnamed Spring	10-11-09	10-11-09	400
1039	Miller, Jake	Unnamed Spring	4-27-10	4-27-10	100
703	Rye, John	Coulee Creek	4-8-93	4-26-93	100
228A	Forsythe, Benjamin	Coulee Creek	4-24-93	4-26-93	100
236A	Whitney, Adelbert	Unnamed Stream	7-20-92	8-8-92	200
244A	Waarum, Henry	Cedar Creek <sup>N</sup>	10-7-09	10-11-09	400
D-136	Forsythe, B. O.	Big Coulee Creek	4- -94	1/2 int. in all water S. Fork	
D-137	Forsythe, Ellen	Big Coulee Creek	2-27-14		120
D-138	Forsythe, Ellen	Big Coulee Creek	2-27-14		120
D-140	Rye, John	Big Coulee Creek	4- -84	1/2 int. in all water S. Fork	

Y = Yellowstone Co.  
S = Stillwater Co.

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 3N Range 18E County Sweet Grass

6	5	4	3	2	1
		417			
7	8	9	10	11	12
	418 419 420 421				
18	17	16	15	14	13
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 18E



Township.

Range

County \_\_\_\_\_

[illegible]

1	2	3	4
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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THE UNIVERSITY OF CHICAGO



STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township

30

Range

18E

County

Leeward

	A			A			A
6		5	4	3	2	1	
				A	A		
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		

Gilbert D. Pland

Township

3

Range

18

Farm Checked

STATE OF MONTANA

Code No. 30B, 20B, 31ABy E.C. + BB

## STATE ENGINEER'S OFFICE

County Sweet GrassArea Gibson

WATER RESOURCES SURVEY

T. 3-NR 18E Sec. 20, 30, 31Date 8-29-80Photo No. MA-9A-24

Legal Land Owner

G. F. Boddy

Address

Big Fern

Operator

Hank & Oswald

Address

"

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity \_\_\_\_\_

Size and Capacity, Pump, etc. \_\_\_\_\_

Original Appropriator, Company \_\_\_\_\_

App. No. \_\_\_\_\_

Original Appropriator, Private

G. F. Boddy; Rudolph NickelApp. No. 929, 933

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

Unnamed Stream; Unnamed SpringAcres Irrigated 19 \_\_\_\_\_ No ditches - no irrigation

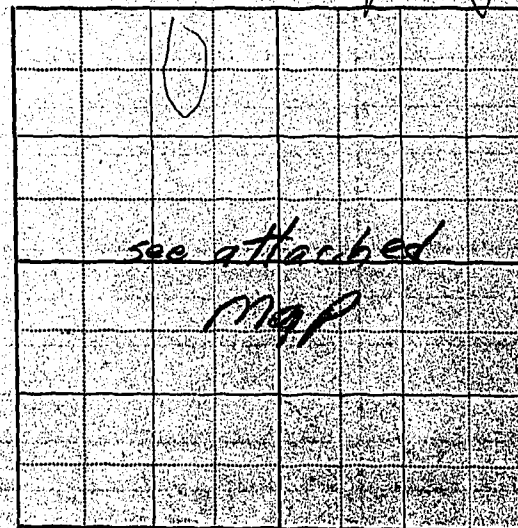
Potential Acres \_\_\_\_\_ Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System \_\_\_\_\_

Adequate Supply \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography Bank landInformation From Field SurveyRemarks over



Operators do not live on the land  
The land, all in strip farming. No  
traces of ditches.

RIVER ENGINEER'S OFFICE

UNIT OF NO. 111111

STATE OF MONTANA

# STATE ENGINEER'S OFFICE

## WATER RESOURCES SURVEY

Township

30

Range

18E

County

Sweet Grass

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

Handwritten notes on the grid: A triangle is drawn in the top right corner (section 1). The number '6' is written in section 20. The letter 'B' is written in section 21. The letter 'A' is written in section 29.

C. F. Baddley

Township

3

Range

18

Farm Checked

STATE OF MONTANA

FORM F-1 REPORTER 1M 3-49 17380

By B.B. - E.C.

Code No. 22C 27A 94A

Area Gibson

# State Engineer's Office

County Sweetgrass

## WATER RESOURCES SURVEY

T. 3N R. 18E Sec. 22 27 34

Date 8-29-50

Photo No. MA-9A-24

Legal Land Owner

Ludwig Bernmeister

Address Big Timber

Operator

Address

Water is delivered by:

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System Whitney ditch Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Totals \_\_\_\_\_

Flood \_\_\_\_\_ Pump \_\_\_\_\_ Reservoir \_\_\_\_\_ Gravity ☒

Size and Capacity, Pump, etc.

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private W.M. F. Roberts; Adelbert App. No. 659, 660  
Whitney App. No. 705, 936A

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 Servashoten Cr.; Spring Cr.; Unnamed

Stream

Acres Irrigated 1950 none

Potential Acres 85 Seeped \_\_\_\_\_

Explain \_\_\_\_\_

Condition of System Fair

Adequate Supply \_\_\_\_\_ Yes \_\_\_\_\_ No ☒

Explain Insufficient supply

Topography Creek bottom

Information From Mrs. Ludwig Bernmeister

Remarks Over

see attached map									
------------------	--	--	--	--	--	--	--	--	--

Whitney ditch out of S. J. Shuter Co. - not in use at present time

No traces of other ditches were located due to plowing of a considerable area of

Traces of Moorum ditches out of Cedar Creek in Sec. 27-3N-18E are visible. Land in this section under those ditches is listed as potential; however, originally these ditches were constructed so as to irrigate lands in Section 26, 3N-18E



STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township

30

Range

18E

County

Lea

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

Ludwig Bummerston

Township

30

Range

18E

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

FARM MAP

County Sweetgrass

Code No

22C-27A-34A

Twp 3 N Rge 18 E

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

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

Name of Land Owner BURMEISTER, LUDWIG Address Big Timber

Name of Operator Same Address "

Legal Description \_\_\_\_\_



Irrigated Land



Non-Irrigated Land



Potential Land Under Existing Facilities

North



Code No. 22C System Whitney Ditches (not in use) Source of Water Fishhooker Creek

Basin Musselshell Present 0 Potential 68 Maximum 68 R ✓ F ✓ P ✓ G ✓ S ✓

Code No. 27A System Warrum Ditches (not in use) Source of Water Cedar Creek

Basin Musselshell Present 0 Potential 17 Maximum 17 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 \_\_\_\_\_



At the present time Bremer  
does not irrigate any land in  
this town.

The entire area was traversed to  
locate the ditches; however, the  
only ones which are at the present  
time in existence are those which  
at one time irrigated lands in  
Sec. 8, T3N - R08E. Insufficient  
water supply at the present time  
makes irrigation impractical.  
The appropriations for these ditches  
were made by Rye & Forayth.

U. S. DEPARTMENT OF AGRICULTURE

UNITED STATES GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

STATE OF MONTANA

# STATE ENGINEER'S OFFICE

WATER RESOURCES SURVEY

Township 30 Range 18E County Silver Bow

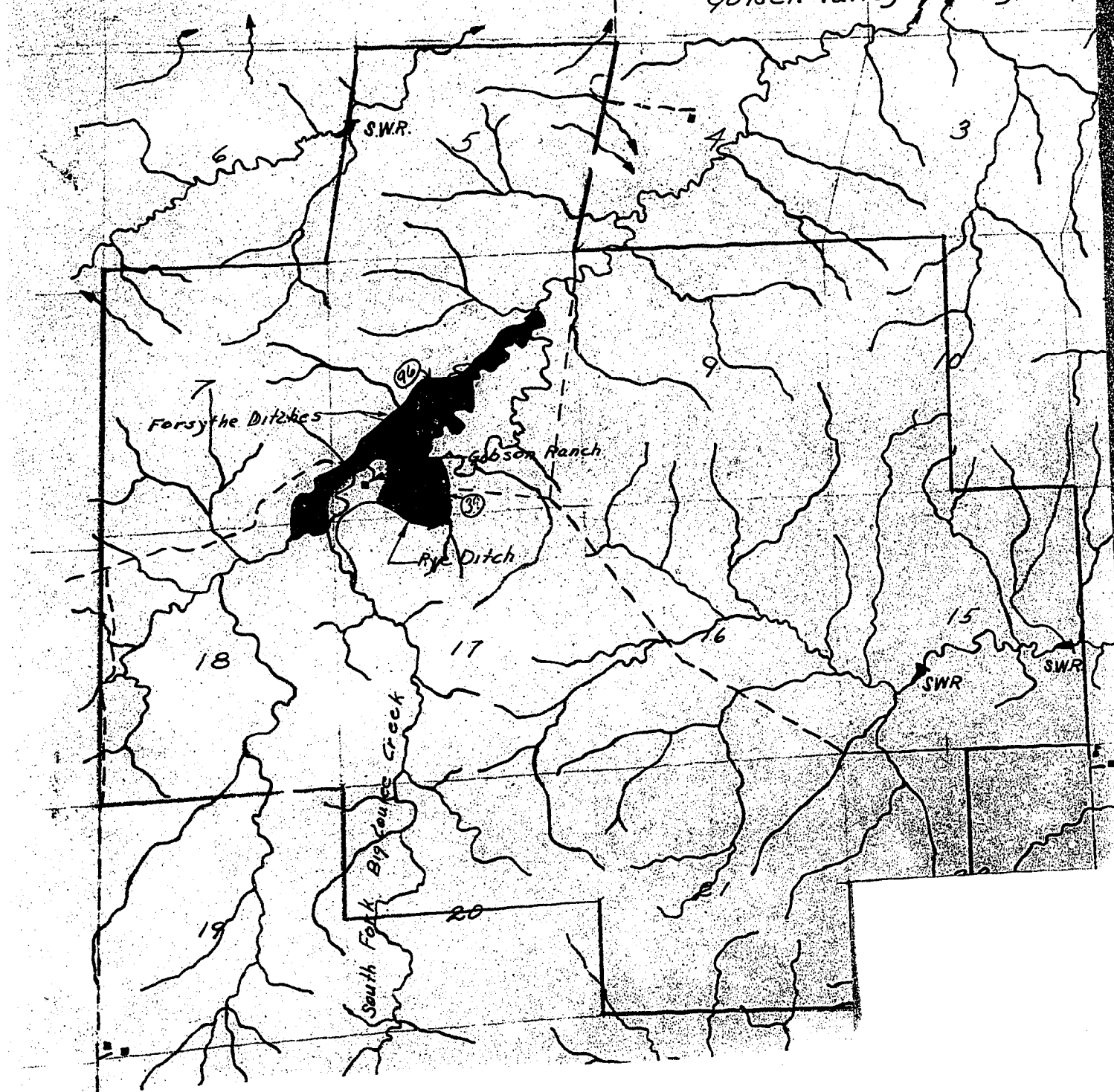
		A				
6		5		4	3	2
						1
	A		A	A	B	
7		8		9	10	11
						12
	A		A	STATE	A	
18		17		16	15	14
						13
		A		A	B	
19		20		21	22	23
						24
30		29		28	27	26
						25
31		32		33	34	35
						36

Chemen Rader & Co. Chemen

Township 30 Range 18E



Big Coulee Creek  
Golden Valley County



STATE OF MONTANA

State Engineer's Office  
WATER RESOURCES SURVEY  
FARM MAP

County Sweetgrass  
Code No. \_\_\_\_\_

Twp. 34 Rge. 18E  
Twp. \_\_\_\_\_ Rge. \_\_\_\_\_  
Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Name of Land Owner LEO CREMER & C. RODES Address Big Timber  
Name of Operator LEO CREMER JR. Address " "  
Legal Description \_\_\_\_\_



Irrigated Land



Non-Irrigated Land

North



Potential Land Under Existing Facilities

Code No. <u>7A, 8A, 18A</u>	System <u>Forsythe Ditches (not in use)</u>	Source of Water <u>Big Coulee Creek</u>
Basin <u>Musselshell</u>	Present <u>0</u> Potential <u>96</u> Maximum <u>96</u>	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u>
Code No. <u>8A, 17A</u>	System <u>Rye Ditch (not in use)</u>	Source of Water <u>South Fork Big Coulee</u>
Basin <u>Musselshell</u>	Present <u>0</u> Potential <u>39</u> Maximum <u>39</u>	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u>
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____ Potential _____ Maximum _____	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u>
Code No. _____	System _____	Source of Water _____
Basin _____	Present _____ Potential _____ Maximum _____	R <u>✓</u> F <u>✓</u> P <u>✓</u> G <u>✓</u>

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

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

Information from \_\_\_\_\_ Date \_\_\_\_\_

FORM F-1 REPORTER IM 3-49 17386

Code No. 1475

County Sweet Grass

T. 30 R. 18E Sec. 14

Photo No. MA-9A-25

Address Feed Van

Address \_\_\_\_\_

Federal Project \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Ditch Company \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Irrigation District \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

Private System \_\_\_\_\_ Pres. \_\_\_\_\_ Pot. \_\_\_\_\_

No irrigation - no ditches	Totals
----------------------------	--------

Flood Pump Reservoir Gravity

Size and Capacity, Pump, etc. \_\_\_\_\_

Original Appropriator, Company \_\_\_\_\_ App. No. \_\_\_\_\_

Original Appropriator, Private Minnie Lassner App. No. 657

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 DeShonken (Cm)

Acres Irrigated 19\_\_\_\_\_

Potential Acres \_\_\_\_\_ Seeped \_\_\_\_\_

Explain \_\_\_\_\_

[illegible]

Adequate Supply..... Yes \_\_\_\_\_ No \_\_\_\_\_

Explain \_\_\_\_\_

Topography Beach / sand

Information From Field Survey

[illegible]A 10x10 grid with a thick horizontal line across the middle. The number '14' is handwritten in the center, and the letter 'B' is handwritten on the right side.