



# WATER-RIGHT DOCKET

## Glacier National Park

**Docket No: 1**

**WILBUR CREEK MANY GLACIERS**

**Preliminary Docket Information**

00-00-0000: permit # 47997 and 47998

Docket No. 1

### WATER RIGHT

#### Glacier National Park

**County:** Glacier

**Permit No.:** 47997 and 47998

**Date the right originated:** February 1 1938

**Purpose:** Domestic, recreational and industrial and fire protection

**Location of the diversion:** Sec. 10, T35N, R16W, if projected, and from which the junction of Swift Current Creek and Swift Current Lake bears S70°25'E 7862 ft.

**Source of water:** Wilbur Creek

**Quantity claimed:** 0,1395 cfs

**Summary of Status:** Federal water right for Many Glaciers Hotel and campground areas. The filing in 1938 was to claim only the priority of quantity for that date. The Glacier Park Hotel Co, applied to appropriate water in 1915.

WATER RIGHT RECORD

Park: GLAC

Docket Number:  
Fed. #1

IDENTIFICATION NO: GLAC, R, 1, 0, 3, 5, 1, 6, A, F, 0, 1,

DITCH/WATER SYSTEM: Many Glaciers

SOURCE OF SUPPLY: Wilbur Creek

LOCATION: Sec. 10, T<sup>35</sup>~~36~~N, R16W, if projected, and from which the junction  
of Swift Current Creek and Swift Current Lake bears S70°25'E  
7862 ft.

WATER RIGHT:

Appropriator: United States of America, National Park Service

Application/Permit Number: Filing ~~47998~~ + 47997

Certificate Record Number:

Date of Priority: February 1, 1938

Quantity of Water: 0.1395 c.f.s.

Purpose: Domestic, recreational <sup>industrial</sup> and fire protection

Irrigated Land Description:

SUMMARY OF STATUS: This is a Federal water right for Many Glaciers Hotel and Campground areas. The filing in 1938 was to claim only the priority of quantity for that date. The Glacier Park Hotel Co. applied to appropriate water in 1915.



9. Flow rate claimed: 600  cubic feet per sec  gallons per minute  miner's inches

10. Volume claimed: 10 acre-feet

11. Period(s) of use: 4/1 - 12/1

12. Check one:  Decreed Water Right  Filed Appropriation Right  Use Water Right  
First water use in area 1912. 0.1395 cfs. filed February 1, 1938. Use has increased with further development since that time.

13. Attach copies of the Decree, Record of Filing or Proof of Use Right.

Notice of Appropriations; "Historic Resource Study", p. 196

14. Attach copies of aerial photographs, U.S. Geological Survey maps or such other documents necessary to show point of diversion, place of use, place of storage, and conveyance facilities.

USGS Many Glacier

NP-GLA 2380; 5315-A, sht. MG-4; 41,012-B, sht. 1; 41044-A, sht. 2

15. Notarized Statement signed by claimant.

STATE OF MONTANA )  
 )ss.  
County of Flathead )

I, Robert C. Haraden, having been first duly sworn, depose(s) and say(s) that (he) (she) (they), being of legal age and being the claimant(s) of the foregoing claim of Existing Water Right, and the person(s) whose name(s) is (are) subscribed thereto as the claimant(s), that (he) (she) (they) know(s) the contents of said foregoing claim and that the matters and things therein are true and correct.

Robert C. Haraden

Subscribed and sworn before me, this fourth day of Dec. 19 81

Martha M. Sloan  
Notary Public for the State of Montana

Residing at West Glac. Mt. 59936

My Commission expires 3/5/84

Form No. 76-O N10/79

GLACRUN3516BF17  
MANY GLACIER COMPLEX  
WILBUR CREEK

# STATEMENT OF CLAIM FOR EXISTING WATER RIGHTS OTHER USES For the Water Courts of the State of Montana

**1. Owner of Water Right**

Haradan / Robert / C.  
US DEPT OF INTERIOR National Park Service  
NATIONAL PARK SERVICE  
GLACIER NATIONAL PARK  
WEST GLACIER MT 59936  
Address Superintendent, Glacier National Park  
City West Glacier State Montana Zip Code 59936  
Home Phone No. \_\_\_\_\_ Business Phone No. (406) 888-5441 x 10

**2. Person completing form**

Vekasi / James / M.  
General Engineer, Glacier National Park  
City West Glacier State Montana Zip Code 59936  
Home Phone No. \_\_\_\_\_ Business Phone No. (406) 888-5441 x 60

**3. Use:**

- Fish Raceways
  - Fish & Wildlife
  - Commercial
  - Industrial
  - Municipal
  - Geothermal
  - Navigation
  - Fire Protection
  - Agricultural Spraying
  - Oil Well Flooding
  - Mining
  - Power Generation
  - Recreation
  - Other
- Explain \_\_\_\_\_

**4. Source of Water:**

- Stream Name Wilbur Creek Tributary of Swiftcurrent Creek
- Spring
- Well
- Lake Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_
- Reservoir Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_

**5. Point of Diversion:**

County(ies) Glacier  
Unsurveyed 1/4 1/4 1/4, Section 10, T 35 N/S, R 16 E/W  
1/4 1/4 1/4, Section \_\_\_\_\_, T \_\_\_\_\_ N/S, R \_\_\_\_\_ E/W  
Lot \_\_\_\_\_, Block \_\_\_\_\_, Subdivision \_\_\_\_\_

**6. Means of Diversion:**

- Well
- Pump Capacity 600 gpm
- Headgate with ditch or pipeline
- Instream use
- Other Explain \_\_\_\_\_

**7. Means of Conveyance:**

- Ditch
- Pipeline
- Instream
- Other: \_\_\_\_\_



Form No. 76-O N10/79

GLACR103516CF18  
MANY GLACIER COMPLEX  
WILBUR CREEK

**STATEMENT OF CLAIM  
FOR EXISTING WATER RIGHTS  
OTHER USES**  
For the Water Courts of the State of Montana

1. Owner of Water Right US DEPT OF INTERIOR / C.  
NATIONAL PARK SERVICE Middle Initial  
Co-Owner or Other  
Interest Owner GLACIER NATIONAL PARK /  
WEST GLACIER MT 59936 Middle Initial  
Address Superintend  
City West Glacier State Montana Zip Code 59936  
Home Phone No. \_\_\_\_\_ Business Phone No. (406) 888-5441 x 10

2. Person completing form Vekasi / James / M.  
Last First Middle Initial  
Address General Engineer, Glacier National Park  
City West Glacier State Montana Zip Code 59936  
Home Phone No. \_\_\_\_\_ Business Phone No. (406) 888-5441 x 60

3. Use:  Fish Raceways  Geothermal  Mining  
 Fish & Wildlife  Navigation  Power Generation  
 Commercial  Fire Protection  Recreation  
 Industrial  Agricultural Spraying  Other  
 Municipal  Oil Well Flooding Explain \_\_\_\_\_

4. Source of Water:  
 Stream Name Wilbur Creek Tributary of Swiftcurrent Creek  
 Spring  
 Well  
 Lake Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_  
 Reservoir Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_

5. Point of Diversion: County(ies) Glacier  
\_\_\_\_ 1/4 \_\_\_\_ 1/4 \_\_\_\_ 1/4, Section 10, T 35 (N/S, R 16 E/W)  
\_\_\_\_ 1/4 \_\_\_\_ 1/4 \_\_\_\_ 1/4, Section \_\_\_\_\_, T \_\_\_\_\_ N/S, R \_\_\_\_\_ E/W  
Lot \_\_\_\_\_, Block \_\_\_\_\_, Subdivision \_\_\_\_\_

6. Means of Diversion:  Well  
 Pump Capacity 600 gpm  
 Headgate with ditch or pipeline  
 Instream use  
 Other Explain \_\_\_\_\_

7. Means of Conveyance:  Ditch  Instream  
 Pipeline  Other: \_\_\_\_\_



Form No. 76-O N1079

GLACR103516DF19  
MANY GLACIER COMPLEX  
WILBUR CREEK

# STATEMENT OF CLAIM FOR EXISTING WATER RIGHTS **OTHER USES** For the Water Courts of the State of Montana

**1. Owner of Water Right** \_\_\_\_\_ / C.  
Middle Initial  
Co-Owner or Other Interest Owner **US DEPT OF INTERIOR  
NATIONAL PARK SERVICE  
GLACIER NATIONAL PARK  
WEST GLACIER MT 59936** \_\_\_\_\_ / \_\_\_\_\_  
Middle Initial  
Address Superinte  
City West GI Zip Code 59936  
Home Phone No. \_\_\_\_\_ Business Phone No. (406) 888-5441 x 10

**2. Person completing form** Vekasi / James / M.  
Last First Middle Initial  
Address General Engineer, Glacier National Park  
City West Glacier State Montana Zip Code 59936  
Home Phone No. \_\_\_\_\_ Business Phone No. (406) 888-5441 x 60

- 3. Use:**  Fish Raceways  Geothermal  Mining  
 Fish & Wildlife  Navigation  Power Generation  
 Commercial  Fire Protection  Recreation  
 Industrial  Agricultural Spraying  Other  
 Municipal  Oil Well Flooding Explain \_\_\_\_\_

**4. Source of Water:**  
 Stream Name Wilbur Creek Tributary of Swiftcurrent Creek  
 Spring  
 Well  
 Lake Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_  
 Reservoir Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_

**5. Point of Diversion:** County(ies) Glacier  
\_\_\_\_\_  
1/4 1/4 1/4, Section 10, T 35 N/S, R 16 E/W  
\_\_\_\_\_  
1/4 1/4 1/4, Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, E/W \_\_\_\_\_  
Lot \_\_\_\_\_, Block \_\_\_\_\_, Subdivision \_\_\_\_\_

**6. Means of Diversion:**  Well  
 Pump Capacity 600 gpm  
 Headgate with ditch or pipeline  
 Instream use  
 Other Explain \_\_\_\_\_

**7. Means of Conveyance:**  Ditch  Instream  
 Pipeline  Other: \_\_\_\_\_



Form No. 76-D N10/79

MANY GLACIER  
BOAT CONCESSION RESIDENCE  
GLACLUNSUAF14

STATEMENT OF CLAIM  
FOR EXISTING WATER RIGHTS

**DOMESTIC**

For the Water Courts of the State of Montana

1. Owner of Water Right

US DEPT OF INTERIOR / C.  
NATIONAL PARK SERVICE Middle Initial  
GLACIER NATIONAL PARK /  
WEST GLACIER MT 59936 Middle Initial  
Address Superinte  
City West Glacie Zip Code 59936  
Home Phone No. \_\_\_\_\_ Business Phone No. (406) 888-5441 x 10

2. Person completing form Vekasi / James / M.  
Last First Middle Initial  
Address General Engineer, Glacier National Park  
City West Glacier State Montana Zip Code 59936  
Home Phone No. \_\_\_\_\_ Business Phone No. (406) 888-5441 x 60

3. Use:  Domestic

4. Source of Water:

Stream Name Swiftcurrent Lake Tributary of Swiftcurrent Creek  
 Spring  
 Well  
 Lake Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_  
 Reservoir Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_

5. Point of Diversion: County Glacier  
Unsurveyed \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ \_\_\_\_\_ ¼, Section \_\_\_\_\_, T \_\_\_\_\_ N/S, R \_\_\_\_\_ E/W  
Lot \_\_\_\_\_, Block \_\_\_\_\_, Subdivision \_\_\_\_\_

6. Means of Diversion:

Pump Capacity 10 gpm  
 Gravity flow  
 Other: Explain \_\_\_\_\_

7. Place of use and acres irrigated. County Glacier - Glat Concession Residence  
0 acres, \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ \_\_\_\_\_ ¼, Section \_\_\_\_\_, T \_\_\_\_\_ N/S, R \_\_\_\_\_ E/W  
\_\_\_\_\_ acres, Lot \_\_\_\_\_, Block \_\_\_\_\_, Subdivision \_\_\_\_\_

8. Number of persons served 10

9. Flow rate claimed: 1.0  cubic feet per sec  
 gallons per minute  
 miner's inches

10. Volume claimed: 2.0 acre-feet

11. Period(s) of use: 5/1 - 11/1

12. Check one:  Decreed Water Right  
 Filed Appropriation Right  
 Use Water Right 1962

13. Attach copies of the Decree, Record of Filing or Proof of Use Right.

14. Attach copies of aerial photographs, U.S. Geological Survey maps or such other documents necessary to show point of diversion, place of use, place of storage, and conveyance facilities.  
USGS Many Glacier

15. Notarized Statement signed by claimant.

STATE OF MONTANA )  
 )ss.  
County of Flathead )

I, Robert C. Haraden, having been first duly sworn, depose(s) and say(s) that (he) (she) (they), being of legal age and being the claimant(s) of the foregoing claim of Existing Water Right, and the person(s) whose name(s) is (are) subscribed thereto as the claimant(s), that (he) (she) (they) know(s) the contents of said foregoing claim and that the matters and things therein are true and correct.

Robert C. Haraden

Subscribed and sworn before me, this fourth day of Dec. 19 81.

Martha M. Sloan  
Notary Public for the State of Montana

Residing at West Glac. Mt. 59936  
My Commission expires 3/5/84

Form No. 76 O N10/79

MANY GLACIER HOTEL  
(WINTER SYSTEM)  
GLACLUN3516BF15

**STATEMENT OF CLAIM  
FOR EXISTING WATER RIGHTS  
OTHER USES**  
For the Water Courts of the State of Montana

**1. Owner of Water Right**

US DEPT OF INTERIOR / C.  
NATIONAL PARK SERVICE Middle Initial  
GLACIER NATIONAL PARK  
WEST GLACIER MT 59936 Middle Initial  
Address Superint  
City West G Zip Code 59936  
Home Phone No. Business Phone No. (406) 888-5441 x 10

**2. Person completing form** Vekasi / James / M.  
Last First Middle Initial  
Address General Engineer, Glacier National Park  
City West Glacier State Montana Zip Code 59936  
Home Phone No. Business Phone No. (406) 888-5441 x 60

- 3. Use:**
- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Fish Raceways         | <input type="checkbox"/> Geothermal            | <input type="checkbox"/> Mining                    |
| <input type="checkbox"/> Fish & Wildlife       | <input type="checkbox"/> Navigation            | <input type="checkbox"/> Power Generation          |
| <input checked="" type="checkbox"/> Commercial | <input type="checkbox"/> Fire Protection       | <input type="checkbox"/> Recreation                |
| <input type="checkbox"/> Industrial            | <input type="checkbox"/> Agricultural Spraying | <input type="checkbox"/> Other Winter water system |
| <input type="checkbox"/> Municipal             | <input type="checkbox"/> Oil Well Flooding     | Explain Many Glacier Hotel                         |

**4. Source of Water:**

- Stream Name Swiftcurrent Lake Tributary of Lake Sherburne  
 Spring  
 Well  
 Lake Name Stream  
Tributary of  
 Reservoir Name Stream  
Tributary of

**5. Point of Diversion:** County(ies) Glacier  
Unsurveyed 1/4 1/4 1/4, Section, T 35 N/S, R 16 E/W  
1/4 1/4 1/4, Section, T N/S, R E/W  
Lot, Block, Subdivision

- 6. Means of Diversion:**
- Well
  - Pump Capacity 30 gpm
  - Headgate with ditch or pipeline
  - Instream use
  - Other Explain

- 7. Means of Conveyance:**
- Ditch
  - Pipeline
  - Instream
  - Other:



Form No. 76-O N10/79

GLACRUNSUEF20  
MANY GLACIER HORESE BARN  
(Surface)

**STATEMENT OF CLAIM  
FOR EXISTING WATER RIGHTS  
OTHER USES**  
For the Water Courts of the State of Montana

**1. Owner of Water Right**

US DEPT OF INTERIOR / C.  
NATIONAL PARK SERVICE Middle Initial  
Co-Owner or Other Interest Owner GLACIER NATIONAL PARK /  
WEST GLACIER MT 59936 Middle Initial  
Address Superint  
City West Glac Zip Code 59936  
Home Phone No. Business Phone No. (406) 888-5441 x 10

**2. Person completing form** Vekasi / James / M.  
Last First Middle Initial  
Address General Engineer, Glacier National Park  
City West Glacier State Montana Zip Code 59936  
Home Phone No. Business Phone No. (406) 888-5441 x 60

- 3. Use:**
- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Fish Raceways         | <input type="checkbox"/> Geothermal            | <input type="checkbox"/> Mining           |
| <input type="checkbox"/> Fish & Wildlife       | <input type="checkbox"/> Navigation            | <input type="checkbox"/> Power Generation |
| <input checked="" type="checkbox"/> Commercial | <input type="checkbox"/> Fire Protection       | <input type="checkbox"/> Recreation       |
| <input type="checkbox"/> Industrial            | <input type="checkbox"/> Agricultural Spraying | <input type="checkbox"/> Other            |
| <input type="checkbox"/> Municipal             | <input type="checkbox"/> Oil Well Flooding     | Explain _____                             |

**4. Source of Water:**

- Stream Name Apikuni Creek Tributary of Swiftcurrent Creek  
 Spring  
 Well  
 Lake Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_  
 Reservoir Name \_\_\_\_\_ Stream \_\_\_\_\_  
Tributary of \_\_\_\_\_

**5. Point of Diversion:** County(ies) Glacier  
Unsurveyed 1/4 1/4 1/4, Section \_\_\_\_\_, T \_\_\_\_\_ N/S, R \_\_\_\_\_ E/W  
1/4 1/4 1/4, Section \_\_\_\_\_, T \_\_\_\_\_ N/S, R \_\_\_\_\_ E/W  
Lot \_\_\_\_\_, Block \_\_\_\_\_, Subdivision \_\_\_\_\_

- 6. Means of Diversion:**
- |  |                       |
|--|-----------------------|
| <input type="checkbox"/> Well                            |                       |
| <input type="checkbox"/> Pump                            | Capacity 50 gpm       |
| <input type="checkbox"/> Headgate with ditch or pipeline |                       |
| <input type="checkbox"/> Instream use                    |                       |
| <input checked="" type="checkbox"/> Other                | Explain screened pipe |

- 7. Means of Conveyance:**
- |  |                                       |
|--|---------------------------------------|
| <input type="checkbox"/> Ditch               | <input type="checkbox"/> Instream     |
| <input checked="" type="checkbox"/> Pipeline | <input type="checkbox"/> Other: _____ |



DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION  
HAVRE FIELD OFFICE

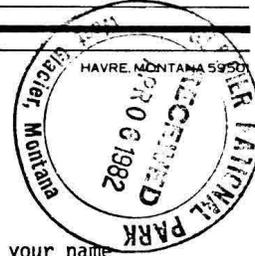


TED SCHWINDEN, GOVERNOR

PO BOX 1828  
OLD HIGHWAY 2, SO. OF FAIRGROUNDS

STATE OF MONTANA

(406) 265-5516



April 5, 1982

Dear Well Owner:

Enclosed please find a copy of a well log which lists your name as the well owner.

We have checked the Dept. of Natural Resources, Water Rights Bureau's files and cannot find that this well has ever been recorded with the Department.

According to the 1973 Montana Water Use Act, Section 85-2-306, MCA, "... Within 60 days of completion of the well or developed spring and appropriation of the groundwater for beneficial use, the appropriator shall file a notice of completion with the department and at the offices of the county clerk and recorders.... The date of filing of the notice of completion is the date of priority of the right." (Emphasis added.) The only penalty for not filing within the 60 days is the loss of your priority date.

I have enclosed a Notice of Completion, Form #602, and a self-addressed envelope so you can file this well as soon as possible. Please supply a map showing where the well is located and where the water is used. To date, the filing fee for the Form #602 is \$5.00, however, if we receive the form on or after April 16, 1982, the filing fee will be \$10.00.

If you have any questions, please feel free to give me a call.

Sincerely,

Kim Overcast  
Water Rights Analyst  
Havre Water Rights Bureau

Encls.: Well log copy  
Form #602  
Self-addressed envelope

P.S. If you have sold the property this well is located on, please provide the new owner's name, address and phone number, if possible.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE NO. \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

"AN EQUAL OPPORTUNITY EMPLOYER"



Form No. 600  
Revised 11/73

APPLICATION NO. \_\_\_\_\_  
(For Dept. Use Only)

STATE OF MONTANA  
DEPARTMENT OF NATURAL RESOURCES & CONSERVATION

MANY GLACIER DRAFT STATION

APPLICATION FOR BENEFICIAL WATER USE PERMIT

Note: Use one applicati  
blank line. If the ques  
additional sheets.

appropriate boxes and fill in each  
more space is necessary, attach

US DEPT OF INTERIOR  
NATIONAL PARK SERVICE  
GLACIER NATIONAL PARK  
WEST GLACIER MT 59936

1. Name of Applicant _____ Mailing Address _____ City or Town _____ Home Phone _____	Other Phone (406) 888-5441 x 10 Zip 59936
2. Source of water supply <u>Swiftcurrent Lake</u> a tributary of <u>Swiftcurrent Creek</u> <small>(stream name; if well, so indicate)</small>	
3. (a) Point of diversion: <u>Unsurveyed - see attached map</u> ____ ¼ ____ ¼ ____ ¼ Section _____, Township _____ S, Range _____ W, _____ County Additional points of diversion, if any: ____ ¼ ____ ¼ ____ ¼ Section _____, Township _____ S, Range _____ W, _____ County ____ ¼ ____ ¼ ____ ¼ Section _____, Township _____ S, Range _____ W, _____ County (b) If water is not consumed, it will be discharged back into the same source: Yes <input checked="" type="checkbox"/> ; No <input type="checkbox"/> . If no, explain and give the complete land description at the point of discharge. _____ ____ ¼ ____ ¼ ____ ¼ Section _____, Township _____ S, Range _____ W, _____ County	
4. Description of water development: (a) Diverting works. Enclose all pertinent engineering data available. If not available, describe the horsepower rating of the pump and capacity in gallons per minute, size of ditches, flumes, dikes or other. <u>10" suction line into lake and riser with fire department pumper connection</u> _____ (b) Reservoir (if applicable). <u>N/A</u> 1. Project will be an enlargement of an existing reservoir. Yes <input type="checkbox"/> ; No <input type="checkbox"/> . (If yes, complete both 3 and 4 below.) 2. Project will be a new reservoir. Yes <input type="checkbox"/> ; No <input type="checkbox"/> . (If yes, enter NA in 3 below, and complete 4.) 3. Capacity of existing (old) reservoir when constructed: _____ acre-feet. 4. Capacity of new (proposed) reservoir: _____ acre-feet. (c) Well Depth: <u>N/A</u> feet (if applicable). (d) Project will be a developed spring: Yes <input type="checkbox"/> ; No <input checked="" type="checkbox"/> .	

5. Proposed Construction:

(a) Desired starting date 9/81; anticipated completion date 10/81  
 (b) Estimated construction cost \$ 10,000.

6. Amount of water, use to which it will be applied, and period of use:

Example:

7.5 <sup>cfs</sup>/<sub>gpm</sub> up to 5.35 for IRRIGATION from APRIL 15 to OCTOBER 15, inclusive.  
(Amount) (acre-feet) (use) (month-day) (month-day)

1,200 <sup>cfs</sup>/<sub>gpm</sub> up to 1.0 for fire from 4/1 to 12/1, inclusive.  
(Amount) (acre-feet) (use) (month-day) (month-day)

         <sup>cfs</sup>/<sub>gpm</sub> up to          for          from          to         , inclusive.  
(Amount) (acre-feet) (use) (month-day) (month-day)

         <sup>cfs</sup>/<sub>gpm</sub> up to          for          from          to         , inclusive.  
(Amount) (acre-feet) (use) (month-day) (month-day)

Total amount requested: 1,200 <sup>cfs</sup>/<sub>gpm</sub> up to 1.0 acre-feet per year.

7. Description of proposed beneficial water uses:

(a) Irrigation (if applicable).

- Method of irrigation: Flood ; Sprinkler . If Flood, explain: \_\_\_\_\_
- Project will involve new irrigated land: Yes ; No .
- Project will involve supplemental water to existing irrigation: Yes ; No .
- Project will involve both new irrigated land and supplemental water to existing irrigation: Yes ; No . If yes, the acreage must be entered on separate lines in the Table below, and identified on the map in Item 9, page 3.
- Acreage by land description: (Enter the number of acres to be irrigated in the appropriate quarter-section.)

Example:								Check Appropriate Block	
Sec.	Twp.	Rge.	NE%	NW%	SW%	SE%	Totals	New	Supplemental
7	18N.	20E	35		140	118	293	<input checked="" type="checkbox"/>	

								Check Appropriate Block	
Sec.	Twp.	Rge.	NE%	NW%	SW%	SE%	Totals	New	Supplemental

Total number of acres to be irrigated →

(b) Non-irrigation use: (if applicable)

- Place of use of the water will be the same as location given in Item 3(a), page 1.  
 Yes ; No . If no, give the location: \_\_\_\_\_ % \_\_\_\_\_ % \_\_\_\_\_ % Section \_\_\_\_\_,  
 Township N \_\_\_\_\_, Range E \_\_\_\_\_, \_\_\_\_\_ County.
  - Estimate the maximum number and type of livestock to be watered: N/A
- Are there other locations where the same livestock are watered? Yes ; No .
- Name of municipality to be served: Many Glacier Hotel
  - Number of families to be supplied: N/A
  - If water will be used for other purposes, describe: Fire fighting



LAND OWNERSHIP RECORD

Tract No. Water Right Deed # 1  
Deed No. 64

County Glacier

For Wood

Civil Subdivision \_\_\_\_\_

Area \_\_\_\_\_ acres Glacier National Park  
Name of Park or Area

Claim based on Proprietor County filing \_\_\_\_\_ Date Aug. 3, 1938 Many Glaciers  
Section of Park or Area

Legal Description: Water Right Filing #7998  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Method of Acquisition: Water Right Appropriation Appropriation or Source of funds: Water Rights  
Cost: Approx. \$100 to date approx. \$100

Acquired from: State of Montana

Accepted by Secretary (\_\_\_\_\_) Opinion of Att'y. Gen. (title in U. S. \_\_\_\_\_) date: \_\_\_\_\_

Physical Characteristics: A recorded claim to 0.1395 acc. ft. of the water of Wilbur Creek for domestic, recreational, industrial and fire protection purposes at the Many Glaciers Hotel and campground areas with priority of February 1, 1938.  
\_\_\_\_\_  
\_\_\_\_\_

Improvements on Land at time of Acquisition: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Existing or outstanding special use permits, reservations, rights, or rights of way: \_\_\_\_\_  
\_\_\_\_\_

Report Based on: Records of Water Rights Section

Prepared by: A. van V. Dunn, Hydraulic Engineer date: 11/11/43

References: \_\_\_\_\_

Remarks: This claim is all that is needed until the St. Mary's river is adjudicated.  
\_\_\_\_\_  
\_\_\_\_\_

Administrative Agreements

GLACIER NATIONAL PARK  
MANY GLACIERS CAMPGROUND  
WATER DOCKET NO. 1

In 1912, the Great Northern (Railroad?) established a tourist camp at the site now known as Many Glaciers Campground, but which was then called the Lake McDermott Camp. Naturally, the first known use of water made at this area was also 1912, but it wasn't until February 1, 1938, that the NPS formally appropriated water for the campground; in fact, on that date the NPS appropriated 0.1395cfs of "the waters of Wilbur Creek, a tributary of Swift Current Creek, which is a tributary of the St. Mary River in Glacier County, Montana, by marking the point of intended diversion (on North or left bank) by posting a notice of appropriation." A ranger station had been built at Many Glaciers in 1916, as had the Many Glacier Hotel, either in that year or around that time. Also, an intake had been installed in Wilbur Creek in the years of 1931 to 1933. The notice of appropriation claimed the water for domestic, recreational, industrial, and fire protection purposes for use at the Many Glacier Hotel and the Many Glacier Campground.

Water appropriation in Montana is apparently no more difficult today than it was in 1938. The filing of a Water Rights Claim requires only that an appropriation form be prepared and filed with the County Clerk of the County where the appropriation is made. Usually NPS requirements as regards water appropriation records are the same as State requirements; however, in this instance it would seem that NPS requirements should go beyond those of the State of Montana.

*Roger O. Smith*  
1-2-68



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE  
WASHINGTON 25, D. C.

January 19, 1960

IN REPLY REFER TO:  
L54-OBL

REG. DIRECTOR
ASST. REG. DIRECTOR
CHf. DIV. OF ADMIN.
CHf. DIV. OF OPERATIONS
CHf. DIV. OF INTERP.
CHf. REC. REG. PLANNING
CHf. RANGER ACTIVITIES
FIELD SOLICITOR
ACTION TAKEN

*3/24*  
*memo to W.O.C. and*  
*a. & was not*  
*by memo to*  
*W.O.C. 3/24*

Memorandum

To: Regional Director, Region Two  
From: Chief, Water Resources Section  
Subject: Federal Water Claims, Many Glaciers, Docket 1, Glacier National Park

The attached copy of application of February 8, 1915, of the Glacier Park Hotel Company should be filed at bottom of present contents of your assembly of the subject docket. An extra copy is also supplied for a docket assembly which should be prepared for WODC.

The filing of 1938 in that docket was prepared in a form to claim only the priority of the date of filing, for a quantity of water it was then proposed to use. Since that date the Department of Justice has asserted other bases of rights and priorities in a number of cases, including Arizona vs. California, and I believe the priority of rights for water use at Many Glaciers should be based on the withdrawal and reservation of the area for the Park under the act of May 11, 1910, or before. There may also be need for amendment to claim more water, and any filing should cover the prescribed statement that nothing in it shall constitute a waiver of any other right to the same water.

The attachment is only one of several historical records which should be considered as progress in establishing rights by appropriation since 1910. We shall distribute the information which I have been assembling as time permits. Meantime, Mr. Mott and the Superintendent should determine the ultimate water needs under the MISSION 66 development. A new filing should be prepared, but only after we have all the necessary information and agree on the nature of the claim.

*A. van V. Dunn*

A. van V. Dunn  
Chief, Water Resources Section

Attachment

*1 copy to Docket #1*  
*1 copy to WODC.*

Copy to: Superintendent, Glacier, w/c attachment  
Chief, WODC (2)

C. C. MAILED TO:	
BY _____	DATE _____

C O P Y

NOTICE OF APPROPRIATION OF WATER BY THE UNITED STATES

State of Montana )  
                  ) SS  
County of Glacier )

Know All Men By These Presents: That the undersigned did, prior to the 1st day of February, 1938, appropriate and claim, and does by these presents appropriate, locate and claim 0.1395 cubic feet per second of time legal measurement of the waters of Wilbur Creek, a tributary of Swift Current Creek, which is a tributary of the St. Mary River in the County of Glacier, State of Montana, and did on the above named day mark the point of intended diversion (which is on the north or left bank of Wilbur Creek in unsurveyed land in Glacier National Park, in what would probably be Section 10, Township 35 North, Range 16 West, if projected, and from which the junction of Swift Current Creek and Swift Current Lake bears South 70° 25' East a distance of 7862 feet more or less), by posting thereat a copy of this notice in a conspicuous place.

That said water is claimed for domestic, recreational, industrial, and fire protection purposes, and the place of intended use is Many Glacier Hotel and Many Glacier Campground in Glacier National Park.

Said water to be diverted and conveyed to said place by means of a main pipe line consisting of 8023 feet of 6-inch Universal cast iron pipe from the point of diversion along Wilbur Creek and through the upper Many Glacier Campground and to and through the lower Many Glacier Campground; thence 6100 feet more or less of 4-inch cast iron pipe through the Many Glacier Utility Area around the north end of Swift Current Lake and across its outlet to the Many Glacier Hotel, and thence 1200 feet of 8-inch steel pipe to storage tank a total distance of 2.9 miles. The grade of the pipe line is variable with a control gradient of 16 feet per 1000 in the first 4250 feet, and has a capacity of 3.8 cubic feet per second.

That the United States Government appropriated and took said water on and prior to the 1st day of February, 1938, by means of said pipe line from Wilbur Creek. The headworks consist of a small concrete dam in Wilbur Creek with a 6-inch cast iron pipe diversion into a settling basin, also of concrete, and with internal dimensions of 12' x 4' x 3'6". An 8-inch overflow returns the unused water to the creek.

That the United States Government also claims the right to keep in repair and enlarge said means of water appropriation at any time and the right to dispose of said right, water, pipe line, dam, or said appurtenances in part or whole at any time. The quantity of water diverted is approximately as follows during the 90-day summer season:

At present.... 0.078 second feet.  
Ultimate..... 0.1395 secondfeet.

The usage is in unsurveyed land in Glacier National Park, which by projection is approximately Southeast Quarter, Section 10; North-east Quarter, Section 15; South Half, Section 11; North Half, Section 14; and South Half, Section 12; all in Township 35 North, Range 16 West.

Claiming the same by and singly under, in and by laws, National and State, and local rulings and decisions thereunder in the matter of water rights; but nothing herein contained shall be construed as a waiver of any rights previously vested in the United States.

Together with all and singly the hereditaments and appurtenances thereunto belonging and appertaining or to accrue to the same.

UNITED STATES OF AMERICA,  
DEPARTMENT OF THE INTERIOR,  
NATIONAL PARK SERVICE,

By: /s/ E. T. Scoyen  
Superintendent,  
Glacier National Park.

47998

Indexed B.L.W.

Compared (L.K.  
(B.L.W.

Ownership  
Book \_\_\_\_\_

State of Montana )  
County of Glacier ) ss.

Filed for Record this 3rd day of  
Aug. A. D. 1938  
at 9:30 o'clock A. M.  
and recorded in Book One of  
Water Rights on Page 195  
J. Lee Anderson  
County Recorder

By B. L. Whitehead  
Deputy  
Return to U. S. Dept. of Int.  
Fee \$2.00 \_\_\_\_\_ Park Service,  
Belton, Mont.

AFFIDAVIT OF POSTING NOTICE

IN THE MATTER OF APPROPRIATION )  
OF WATER BY THE UNITED STATES )

STATE OF MONTANA )  
 ) SS  
COUNTY OF GLACIER )

Channing T. Howell, being first duly sworn, deposes and says: That affiant is a citizen of the United States, over the age of twenty-one years, and an employee of the National Park Service.

That on the 1st day of February, 1938, he did post a copy of the above notice of appropriation of water by the United States on the north or left bank of Wilbur Creek in unsurveyed land in Glacier National Park in what would be Section 10, Township 35 North, Range 16 West, if projected, and from which the junction of Swift Current Creek and Swift Current Lake bears South 70° 25' East a distance of 7862 feet more or less, and he did post the same in a conspicuous place thereat.

(Sgd) Channing T. Howell

Subscribed and sworn to before me this

13 day of July, 1938.

O. H. Tronsor

Notary Public in and for the County of  
Glacier, State of Montana.

My Com. expires Oct. 22, 1938.

47997

Indexed B.L.W.

Compared (L.K.  
(B.L.W.)

Ownership  
Book \_\_\_\_\_

STATE OF MONTANA )  
County of Glacier ) SS

Filed for Record this 3rd day of  
Aug. A. D. 1938 9:25 o'clock A. M.  
and recorded in Book Three of  
Miscl. on Page 429 of  
J. Lee Anderson  
County Recorder

By B. L. Whitehead  
Deputy

Return to U. S. Dept. of Int.  
Fee \$ 50¢ Park Service  
Belton, Mont.

Supporting Hydro Data



United States Department of the Interior  
NATIONAL PARK SERVICE  
GLACIER NATIONAL PARK  
WEST GLACIER, MONTANA 59936

APR 29 '82

IN REPLY REFER TO:

L54

April 26, 1982



Rocky Mountain Regional Office	Initial & Date
Regional Director	LA 7/89
Deputy Regional Director	
Administration	
Park Operations	ML
Plan & Resource Pres.	
Coop Prog.	
Communications & P.A.	
EEO	
Oper Eval	
Action Taken	

Kim Overcast  
Water Rights Analyst  
P.O. Box 1828  
Havre, MT 59501

Dear Mr. Overcast:

We have received your request for filing Water Rights for the enclosed wells. The National Park Service has filed a Reserve Rights Claims for the waters, and we will not be processing individual claims until the Reserve Rights Claim is settled.

Sincerely,

(Sgd) Robert C. Haraden  
Robert C. Haraden  
Superintendent

Enclosure

cc:  
Regional Director, RMRO

*Bill - see me*  
*JF*

RECEIVED  
MAY 1982  
DIV. OF LAND & WATER RES.  
RMRO







FORM No. 603 New 7-73

File No. \_\_\_\_\_

#2

STATE OF MONTANA  
Department of Natural Resources and Conservation

WHITE - DEPARTMENT  
PINK - BUREAU  
CANARY - WELL OWNER  
GOLDENROD - DRILLER

TEST WELL  
MANY GLACIER

WELL LOG REPORT

**RECEIVED**  
JAN 23 1976

DEPT. OF NATURAL  
CONSERVATION

State law requires that this form be filed by the water well driller on any water well completed by him on or after July 1, 1975 within sixty (60) days after completion of the well.

1. WELL OWNER: Name <u>Glacier National Park</u> Address <u>West Glacier, Montana 59936</u>																				
2. WELL LOCATION: County <u>Glacier</u> ; <b>NOT SURVEYED</b> Sec. _____, Twp. _____ N-S, Rg. _____ E-W																				
3. PROPOSED USE: Domestic _____ Stock _____ Municipal _____ Industrial _____ Lawn and Garden _____ Irrigation <input checked="" type="checkbox"/> Other (if other, specify) <u>Ground Water Monitoring</u>																				
4. METHOD DRILLED: <input checked="" type="checkbox"/> Cable Bored _____ Forward Rotary _____ Reverse Rotary _____ Jetted _____ Other (if other, specify) _____	8. WELL LOG:																			
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Depth (ft.)</th> <th rowspan="2">Formation</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>GL</u></td> <td><u>2</u></td> <td><u>Top Soil</u></td> </tr> <tr> <td><u>2</u></td> <td><u>9</u></td> <td><u>Red Clay Sand Gravel Water</u></td> </tr> <tr> <td><u>9</u></td> <td><u>27</u></td> <td><u>Sand Gravel</u></td> </tr> <tr> <td><u>27</u></td> <td><u>39</u></td> <td><u>Red Clay Gravel</u></td> </tr> <tr> <td><u>39</u></td> <td><u>40</u></td> <td><u>Sand Gravel Water</u></td> </tr> </tbody> </table>	Depth (ft.)		Formation	From	To	<u>GL</u>	<u>2</u>	<u>Top Soil</u>	<u>2</u>	<u>9</u>	<u>Red Clay Sand Gravel Water</u>	<u>9</u>	<u>27</u>	<u>Sand Gravel</u>	<u>27</u>	<u>39</u>	<u>Red Clay Gravel</u>	<u>39</u>	<u>40</u>
Depth (ft.)		Formation																		
From	To																			
<u>GL</u>	<u>2</u>	<u>Top Soil</u>																		
<u>2</u>	<u>9</u>	<u>Red Clay Sand Gravel Water</u>																		
<u>9</u>	<u>27</u>	<u>Sand Gravel</u>																		
<u>27</u>	<u>39</u>	<u>Red Clay Gravel</u>																		
<u>39</u>	<u>40</u>	<u>Sand Gravel Water</u>																		
5. WELL CONSTRUCTION: Diameter of hole <u>6</u> inches. Depth <u>40</u> ft. Casing: <input checked="" type="checkbox"/> Steel _____ Plastic _____ Concrete _____ Threaded <input checked="" type="checkbox"/> Welded _____ Other (if other, specify) _____ Pipe Weight: Dia.: From: To: _____ <u>17</u> lb/ft. <u>3/4</u> inches <u>GL</u> feet <u>40</u> feet _____ lb/ft. _____ inches _____ feet _____ feet _____ lb/ft. _____ inches _____ feet _____ feet Was perforated pipe used? <input checked="" type="checkbox"/> Yes _____ No Length of pipe perforated <u>30</u> feet Was casing left open end? <input checked="" type="checkbox"/> Yes _____ No Was a well screen installed? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No Material _____ Dia. _____ inches (stainless steel, bronze, etc.) Perforation type: _____ slots _____ holes Size <u>5/16x4</u> set from <u>10</u> feet to <u>40</u> feet Size _____ set from _____ feet to _____ feet Size _____ set from _____ feet to _____ feet Was a packer or seal used? _____ Yes <input checked="" type="checkbox"/> No If so, what material _____ Well type: _____ Straight screen _____ Graveled _____ Was the well grouted? <input checked="" type="checkbox"/> Yes _____ No To what depth? <u>10</u> feet Material used in grouting <u>P. Cement/ Sand</u> Well head completion: Pitless adapter _____ 12" above grade <input checked="" type="checkbox"/> Other _____ (If other, specify) _____ Was the well disinfected? _____ Yes <input checked="" type="checkbox"/> No																				
6. WATER LEVEL: Static water level <u>GL</u> ft. below land surface If flowing: closed-in pressure _____ psi GPM flow _____ through _____ inch pipe Controlled by: _____ Valve _____ Reducers _____ Other, specify _____																				
7. WELL TEST DATA: <input checked="" type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailer _____ Other _____ (If other, specify) _____ Pumping level below land surface: _____ ft. after _____ hrs. pumping _____ gpm _____ ft. after _____ hrs. pumping _____ gpm																				
9. DATE STARTED: <u>Aug 6, 1975</u>																				
10. DATE COMPLETED: <u>Aug 7, 1975</u>																				
11. WAS WELL PLUGGED OR ABANDONED? _____ Yes <input checked="" type="checkbox"/> No If so, how _____																				
12. DRILLER'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge.																				
RAINBOW WELL DRILLING INC. <u>193</u> Driller's or Firm Name License No.																				
<u>740 Turner #15 Missoula, Mont 59801</u> Address <u>Ruth H Krause</u> <u>8/25/75</u> Signed by Date																				

FORM No. 603 New 7-73

File No. \_\_\_\_\_

33  
TEST WELL  
MANY GLACIER

**RECEIVED**  
JAN 25 1976

STATE OF MONTANA

Department of Natural Resources and Conservation

WHITE — DEPARTMENT  
PINK — BUREAU  
CANARY — WELL OWNER  
GOLDENROD — DRILLER

**WELL LOG REPORT**

State law requires that this form be filed by the water well driller on any water well completed by him on and after July 1, 1975 within sixty (60) days after completion of the well.

1. WELL OWNER: Name <u>Glacier National Park</u> Address <u>West Glacier, Montana 59936</u>	
2. WELL LOCATION: County <u>Glacier</u> ; <u>Not Surveyed</u> Sec. _____, Twp. _____ N-S, Rg. _____ E-W	
3. PROPOSED USE: Domestic _____ Stock _____ Municipal _____ Industrial _____ Lawn and Garden _____ Irrigation <input checked="" type="checkbox"/> Other (if other, specify) <u>Ground Water Monitoring</u>	
4. METHOD DRILLED: <input checked="" type="checkbox"/> Cable Bored _____ Forward Rotary _____ Reverse Rotary _____ Jetted _____ Other (if other, specify) _____	8. WELL LOG: Depth (ft.) From To Formation GL 3 Top Soil Water 3 15 Brown Clay and Gravel 15 25 Tan Clay 25 30 Tan Clay Gravel and Water 30 38 Sand Gravel and Water
5. WELL CONSTRUCTION: Diameter of hole <u>6</u> inches. Depth <u>38</u> ft. Casing: <input checked="" type="checkbox"/> Steel _____ Plastic _____ Concrete _____ _____ Threaded <input checked="" type="checkbox"/> Welded _____ Other (if other, specify) _____ Pipe Weight: Dia.: From: To: <u>17</u> lb/ft. <u>1/4</u> inches <u>GL</u> feet <u>38</u> feet _____ lb/ft. _____ inches _____ feet _____ feet _____ lb/ft. _____ inches _____ feet _____ feet Was perforated pipe used? <input checked="" type="checkbox"/> Yes _____ No Length of pipe perforated <u>28</u> feet Was casing left open end? <input checked="" type="checkbox"/> Yes _____ No Was a well screen installed? Yes <input checked="" type="checkbox"/> No Material _____ Dia. _____ inches (stainless steel, bronze, etc.) Perforation type: <input checked="" type="checkbox"/> slots _____ holes Size <u>5/16</u> set from <u>10</u> feet to <u>38</u> feet Size _____ set from _____ feet to _____ feet Size _____ set from _____ feet to _____ feet Was a packer or seal used? _____ Yes <input checked="" type="checkbox"/> No If so, what material _____ Well type: _____ Straight screen _____ Graveled Was the well grouted? <input checked="" type="checkbox"/> Yes _____ No To what depth? <u>10</u> feet Material used in grouting <u>P. Cement/Sand</u> Well head completion: Pitless adapter <u>12"</u> above grade <input checked="" type="checkbox"/> Other _____ (If other, specify) _____ Was the well disinfected? _____ Yes <input checked="" type="checkbox"/> No	
6. WATER LEVEL: Static water level <u>3</u> ft. below land surface If flowing: closed-in pressure _____ psi GPM flow _____ through _____ inch pipe Controlled by: _____ Valve _____ Reducers _____ Other, specify _____	
7. WELL TEST DATA: <input checked="" type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailer _____ Other _____ (If other, specify) _____ Pumping level below land surface: _____ ft. after _____ hrs. pumping _____ gpm _____ ft. after _____ hrs. pumping _____ gpm	
9. DATE STARTED: <u>AUG 11, 1975</u>	
10. DATE COMPLETED: <u>AUG 12, 1975</u>	
11. WAS WELL PLUGGED OR ABANDONED? _____ Yes <input checked="" type="checkbox"/> No If so, how _____	
12. DRILLER'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge.  <u>RAINBOW WELL DRILLING INC.</u> <u>193</u> Driller's or Firm Name License No. <u>740 Turner #15 Missoula, Mont. 59801</u> Address <u>Ruth H Krause</u> <u>8/25/75</u> Signed by Date	

FORM No. 605 New 7-73

File No. \_\_\_\_\_

**#4 TEST WELL MANY GLACIER**

**RECEIVED**  
JAN 23 1976

STATE OF MONTANA  
Department of Natural Resources and Conservation  
WATER REPORT

State law requires that DEPT. OF NATURAL RESOURCES be notified by the water well driller or by water completed by him on and after July 1, 1974 when state (60) laws state otherwise.

1. WELL OWNER: Name Glacier National Park Address West Glacier, Montana 59936

2. WELL LOCATION: County Glacier; **NOT SURVEYED**; Sec. \_\_\_\_\_, Twp. \_\_\_\_\_, N-S. \_\_\_\_\_, E-W \_\_\_\_\_

3. PROPOSED USE: Domestic \_\_\_\_\_ Stock \_\_\_\_\_ Municipal \_\_\_\_\_ Industrial \_\_\_\_\_ Sewer and Garbage \_\_\_\_\_ Irrigation  Other (if other, specify) Ground Water Monitoring

4. METHOD DRILLED:  Cable \_\_\_\_\_ Bored \_\_\_\_\_ Forward Rotary \_\_\_\_\_ Reverse Rotary \_\_\_\_\_ Jetted \_\_\_\_\_ Other (if other, specify) \_\_\_\_\_

5. WELL CONSTRUCTION:  
Diameter of hole 6 inches. Depth \_\_\_\_\_ feet  
Casing:  Steel \_\_\_\_\_ Plastic \_\_\_\_\_ Threaded  Welded \_\_\_\_\_ Other (if other, specify) \_\_\_\_\_  
Pipe Weight: Dia.: From: To: \_\_\_\_\_  
17 lb/ft. 1/4 inches GL feet 30 feet  
\_\_\_\_\_ lb/ft. \_\_\_\_\_ inches \_\_\_\_\_ feet \_\_\_\_\_ feet  
\_\_\_\_\_ lb/ft. \_\_\_\_\_ inches \_\_\_\_\_ feet \_\_\_\_\_ feet  
Was perforated pipe used?  Yes  No  
Length of pipe perforated \_\_\_\_\_ feet  
Was casing left open end?  Yes  No  
Was a well screen installed? \_\_\_\_\_ Yes  No  
Material \_\_\_\_\_ Dia. \_\_\_\_\_ inches  
(stainless steel, bronze, etc.)  
Perforation type:  slots \_\_\_\_\_ holes  
Size 5/16 set from 10 feet to 30 feet  
Size \_\_\_\_\_ set from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Size \_\_\_\_\_ set from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Was a packer or seal used? \_\_\_\_\_ Yes  No  
If so, what material \_\_\_\_\_  
Well type: \_\_\_\_\_ Straight screen \_\_\_\_\_  
Was the well grouted?  Yes  No  
To what depth? 10 feet  
Material used in grouting P. Cement  
Well head completion: Pitless adapter \_\_\_\_\_  
12" above grade  Other \_\_\_\_\_  
(If other, specify) \_\_\_\_\_  
Was the well disinfected? \_\_\_\_\_ Yes  No

6. WATER LEVEL:  
Static water level 4 ft. below land surface  
If flowing: closed-in pressure \_\_\_\_\_  
GPM flow \_\_\_\_\_ through \_\_\_\_\_  
Controlled by: \_\_\_\_\_ Valve \_\_\_\_\_  
Other, specify \_\_\_\_\_

7. WELL TEST DATA:  Pump  Bailer \_\_\_\_\_  
(If other, specify) \_\_\_\_\_  
Pumping level below land surface:  
\_\_\_\_\_ ft. after \_\_\_\_\_ hrs. pumping \_\_\_\_\_  
\_\_\_\_\_ ft. after \_\_\_\_\_ hrs. pumping \_\_\_\_\_

8. WELL LOG:

Depth (ft.)		Formation
From	To	
GL	2	Top Soil
2	11	Dark brown clay and silt
11	28	tan clay Gravel
28	29	Sand Gravel Water
29	30	Sand

9. DATE STARTED: Aug 14, 1975

10. DATE COMPLETED: Aug 25, 1975

11. WAS WELL PLUGGED OR ABANDONED? \_\_\_\_\_ Yes  No  
If so, how \_\_\_\_\_

12. DRILLER'S CERTIFICATION:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge.

**RAINBOW WELL DRILLING CO.**  
Driller's or Foreman's License No. \_\_\_\_\_

740 Turner #15 Falls, Mont. \_\_\_\_\_  
Address \_\_\_\_\_  
Ruth H. Hume 8/25/75  
Signed by \_\_\_\_\_

Docket #1

Many Glacier Water System  
Originally claimed 0.1395 cfs (63 gpm)  
domestic, recreational, industrial and  
fire protection  
- for use at the Many Glacier Hotel and  
the Many Glacier Campground

⇒ later claims filed in 1981:

- 600 gpm (domestic)
  - 600 gpm (commercial)
  - 600 gpm (fire protection)
  - 600 gpm (recreation)
- } all from  
Wilbur Creek

~~Docket #13  
(East)~~  
~~Docket #14  
(West)~~

also: wells - East & West  
Applications for Beneficial Water Use Permit  
filed 1981  
→ 150 gpm up to 100 af/yr

50810-640T

~~Docket #15~~

also: Many Glacier Horse Concessions Well  
50 gpm up to 1.3 af for commercial  
50 gpm up to 3.0 af for domestic  
50 gpm up to 1.12 af for industrial

also: Many Glacier Boat Concessions Residence  
claim 1981 10 gpm from Swiftcurrent Lake for domestic

also: Many Glacier Draft Station  
applications for Beneficial Water Use Permit filed 1981  
1200 gpm up to 1 af/yr for fire fighting  
at Many Glacier Hotel

also: Many Glacier Hotel (Winter System)  
claim filed 1981 30 gpm from Swiftcurrent Lake  
for commercial use

also: Many Glacier Horse Barn  
claim filed 1981 50 gpm from Spikuni Creek  
for commercial use

Extra

WATER SUPPLY SYSTEM - MANY GLACIERS AREA  
GLACIER NATIONAL PARK

1-15-42

Investment

1922 Acct. 409 Water & Sewer Construction Expenditure \$17,500.....\$17,500

Water System

Diverting Dam	\$342.51	
Settling basin - reinf. concrete	150.75	
Intake structure	500.00	
4655 ft. 6" Universal C.I. pipe & fittings, installed (2) - 7' depth - loose & solid excavation)	7541.00	
6" Gate Valve (1 only in place)	50.00	
Engineering 5.25%	<u>478.50</u>	8,990.45

Note #1.

(1-6" valve included in settling basin)  
1-6" valve included in intake structure)

1933 Acct. 402 - Water & Sewer Construction  
Expenditure \$6,927.

Water System - Extension on to connect with Many Glaciers

Hotel 4" service line,		
5172 ft. 6" C.I. pipe @ (1.52 est)	4701.00	
987 ft. 4" C.I. pipe @ (1.20 est)	1184.00	
1-4" C.I. gate valve in place 525 est	55.00	
4085' specials @ (.10) est)	400.00	
Incidentals	150.00	
Engineering 5.25%	<u>570.00</u>	6,927.00

Chlorination

220 ft. 4" Galv. Iron Pipe @ \$1.25 ft.	275.00	
225 ft. 3" "	50.00	
Valves and fittings	27.00	
Hydraulic run	25.00	
Hydrochlorinator machine	500.00	
Cedar mixing tank	25.00	
Transportation and installation	<u>500.00</u>	1,125.00

Additional Expense

1-6" Spurling Turbine Meter - at intake	200.00	
1-4" Trident Compound Meter - for hotel	50.00	
1-4" Trident Style S, Rise. Meter - for camp	<u>50.00</u>	600.00

TOTAL INVESTMENT ..... \$17,570.45

*Estra*

**WATER SUPPLY SYSTEM - BART GLACIER AREA  
GLACIER NATIONAL PARK**

**Annual Operating Cost**

Depreciation - 2% of \$17,572	\$351.00	
Maintenance of lines	71.00	
Maintenance of Chlorination system	\$10.00	
Purchase of Chlorine	25.00	
Maintenance, septic tank & filters	<u>75.00</u>	\$632.00

**Estimated Annual Water Use**

Average daily use based on actual water readings taken during the period  
Aug. 1-15, 1941, and Sept. 6-15, 1941.

Hotel - 60,150 gals. daily for 95 days	6,350 H gal.
Cabins - 7,225 "	672 H gal.
Transport Co. - 8,448 gals. daily for 95 days	795 H gal.
Saddle Horse Co. - 427 "	40 H gal.

**Estimated use, no meter readings:**

NPS Campgrounds	
50 people per day x 60 gal. per person x 95 days	270 H gal.
NPS Utility Areas	
15 people per day x 40 gal. per person x 100 days	<u>60 H gal.</u>
	8,174 H gal.

**Average Cost per 1000 gal.**

Annual operating cost	\$632.00
Annual use	8174 H gal.
Average unit cost	\$632/8174 H. Gal. = \$0.102

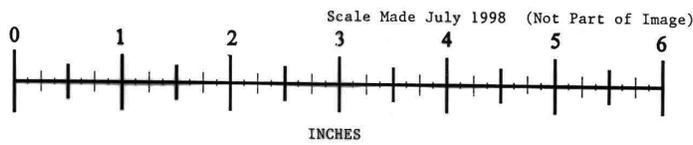
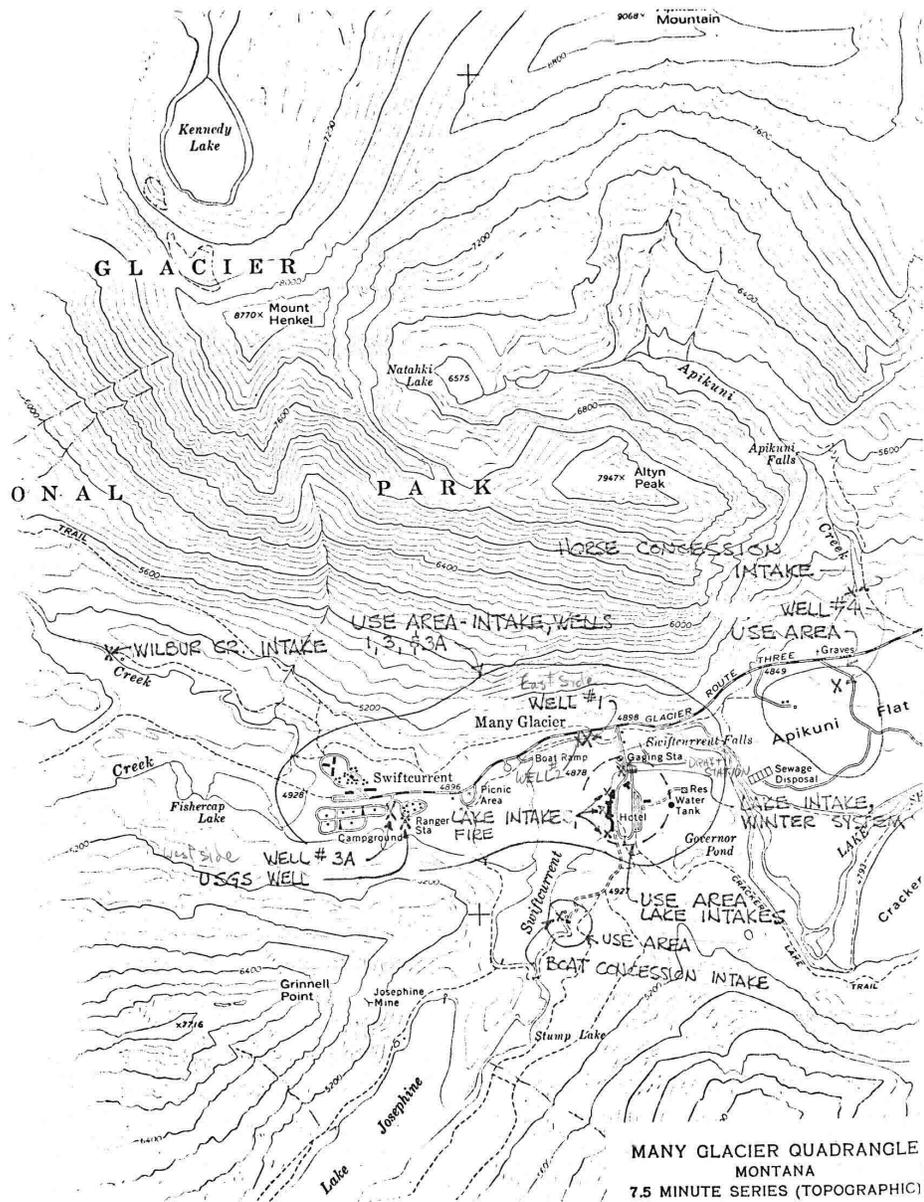
Assume a water consumption factor of 70% to cover reduction in water use due to anticipated falling off of park visitors during the war period.

**Average Cost/1000 Gallons**

$$\frac{632}{8,174 \times .7} = 80.1486$$

**Recommended rate \$0.15 per 1000 gallons.**

- cc: Supt. Glacier N. P. (5)  
 Region Four (1)  
 Chief of Engineering - Room 2216 (1)  
 Mr. Monteith (5)



Docket Information

Number of Documents in Docket 39  
Documents Dated from 8/3/1938 to 4/29/1982  
Docket Compiled: 3/22/2011