

WATER-RIGHT DOCKET

Yellowstone National Park

Docket No: 13

EAST ENTRANCE NO. 1 WELL

State Water Rights Documentation

01-31-2002: Certificate of Appropriation for U.W. No. 4269

[illegible]

THE STATE



OF WYOMING

Board of Control

ALLAN CUNNINGHAM
ADJUDICATION OFFICER

February 19, 2002

USDI NATIONAL PARK SERVICE
PO BOX 25287
DENVER, CO 80225-0287

Certificate Record Book U.W. 10, Page 641

Dear Appropriator(s):

Today we are sending to the County Clerk for recording purposes the following listed final Certificate(s) of Appropriation of Water or Ground Water and/or Certificate(s) of Construction of Reservoir as follows:

<u>Permit No.</u>	<u>Facility</u>	<u>Amount Appropriated</u>
U.W. 99188	East Entrance No. 1 Well	16 g.p.m.

Final Certificates of Appropriation are valuable insofar as your water rights are concerned and they should, therefore, be carefully preserved. If you need copies of them, they may be obtained either from the County Clerk or from this office.

When the County Clerk has recorded your certificate(s) he/she will forward the same to you.

Yours truly,

ALLAN CUNNINGHAM
Adjudication Officer
AC/mcl

JIM GERINGER
GOVERNOR

PATRICK T. TYRRELL
STATE ENGINEER

RICHARD G. STOCKDALE
DEPUTY STATE ENGINEER

RANDY TULLIS, SUPERINTENDENT
WATER DIVISION NO. 1
MICHAEL WHITAKER, SUPERINTENDENT
WATER DIVISION NO. 2
CRAIG COOPER, SUPERINTENDENT
WATER DIVISION NO. 3
JADE HENDERSON, SUPERINTENDENT
WATER DIVISION NO. 4

THE STATE



OF WYOMING

Board of Control

ALLAN CUNNINGHAM
ADJUDICATION OFFICER

January 23, 2002

JIM GERINGER
GOVERNOR

PATRICK T. TYRRELL
STATE ENGINEER

RICHARD G. STOCKDALE
DEPUTY STATE ENGINEER

RANDY TULLIS, SUPERINTENDENT
WATER DIVISION NO. 1
MICHAEL WHITAKER, SUPERINTENDENT
WATER DIVISION NO. 2
CRAIG COOPER, SUPERINTENDENT
WATER DIVISION NO. 3
JADE HENDERSON, SUPERINTENDENT
WATER DIVISION NO. 4

USDI NATIONAL PARK SERVICE
PO BOX 25287
DENVER, CO 80225-0287

RE: Certificate Record Book No. U.W. 10, Page 641

Dear Appropriators:

This is to advise you that your proof of appropriation was approved by the State Board of Control on November 29, 2001 for the following rights:

<u>Permit No.</u>	<u>Facility</u>	<u>Amount Appropriated</u>
U.W. ⁹ 188	East Entrance No. 1 Well	none 16 gpm

An Order will be entered shortly confirming this adjudication, but it will be several months before the certificate will be ready to mail to the County Clerk for recording. This is due to the update that is required through our data processing section and the State Archives Department.

Simultaneously, as we do record your certificate, we will advise you so you can be aware that the County Clerk will be forwarding your recorded certificate shortly thereafter. 1/29/02

Very truly yours,

Allan Cunningham
AC/mcl

IMR
Wade _____
Crowley _____
Davis _____
Everhart _____
Frost _____
Garland _____
Gwaltney _____
Halderman _____
Ladd _____
Montes _____
O'Brien, M. _____
Snyder _____
Wheaton _____
Budget _____
SO's _____
Denver _____
Santa Fe _____
Land Resources _____
Deer _____
Saw _____
Tribal _____
Nav. _____

State Engineer's Office
Herschler Building, 4-E
Cheyenne, Wyoming 82002
307-777-7434 FAX 307-777-6435
JIM DEWINGER
GOVERNOR
PATRICK E. TYRRELL
STATE ENGINEER

October 29, 2001

D5039(YELL)

Tim Hudson
October 29, 2001
Yellowstone National Park
P.O. Box 167
Yellowstone NP, WY 82190-0167

Carol Lacy
State Engineer's Office
Herschler Building, 4-E
Cheyenne, Wyoming 82002

Dear Ms. Lacy:

Here is the information you requested:

Signer: Tim A. Hudson
Position Title: Chief of Park Maintenance

I am returning the copy of the proof you sent, with the highlighted areas filled in. If you have any further questions, please feel free to contact me at 307-344-2301.

Sincerely,

Tim A. Hudson
Chief of Park Maintenance

Enclosure

bcc:
Nancy Ward
Tom McKenna
Maintenance Files

FNP: Thudson:cw:10/29/01:2395

Carol Lacy
Water Management Consultant
Grand Water Division

Yellowstone Wildlife
307-777-6189
Yellowstone Wildlife
307-777-6189
Yellowstone Wildlife
307-777-6189



State Engineer's Office

Herschler Building, 4-E Cheyenne, Wyoming 82002
(307) 777-7354 FAX (307) 777-5451
seoleg@missc.state.wy.us

JIM GERINGER
GOVERNOR

PATRICK T. TYRRELL
STATE ENGINEER

October 22, 2001

Tim Hudson
Maintenance Chief
Yellowstone National Park
P. O. Box 168
Yellowstone NP, WY 82190-0168

Re: East Entrance #1 Well
Permit No. U.W. 99188

Dear Mr. Hudson:

We received the signed proof for the East Entrance #1 Well in March. I am now preparing all proofs for submittal to the Board of Control for them to issue the Certificates of Appropriation.

In so doing, I note that I can't decipher the name of the signer. On the enclosed copy of the proof, would you please print the name in the highlighted area, and also, state the position title of the signer.

Thank you so much.

Sincerely,

CAROL LACY
Water Management Consultant
Ground Water Division

CL
Enclosure

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

Proof Number U.W.

PART III

copy

COUNTY None
U.W. DISTRICT Yellowstone National Park
DATE OF PRIORITY March 10, 1995
LOCATION NE, NW, Unsurveyed
SECTION 8 T. 52 N., R. 109 W.
(Projected Location)

State 

Zip Code 80225-0287

Federal Government

G.P.M.

Miscellaneous

[illegible]

11	12	13	14
15	16	17	18
19	20	21	22
23	24	25	26

☒ Yes ☐ No. If not, Why?☒ Yes ☐ No. If Not,☐ Yes ☒ No. If yes, describe

Description of Conveyance of Water From well site via 3" line approximately 500 feet east to a 20,000 gallon cistern in the basement of the pump house building. From said cistern via 2" line and three boost pumps 10 feet south and 10 feet east to 3-200 gallon pressure tanks. From said pressure tanks via 6" line eastward to fire hydrants and facilities listed above. See sketch diagram of facilities generated during the field inspection.

☐ Yes ☒ No. If yes, describe

DESCRIPTION OF PUMP AND WELL: Size of Surface casing 8 5/8" Flowing Well? No
 Make of Pump Grundfos Type Sub merge I.D. No. 16S05
 Rated H.P. 1 Type of Power Electric Make Grundfos I.D. No. N/A
 Discharge Pressure N/A psi Static Water Level No Access Pumping Level No Access
 Size of Discharge Line 3" Amount of Water Produced 16 GPM
 How was production determined? Statement of Completion
 Is well described accurately on Statement of Completion? ☒ Yes ☐ No. If not, describe difference _____

Does construction comply with State Engineer's Standards? ☒ Yes ☐ No. If not, Why? _____

PRINKLER SYSTEMS: Type N/A Length _____ Make _____
 D. No. _____ Nozzle size & spacing 1/2" @ _____ No. of Towers _____
 Mainline Size _____ Lateral Lines _____ End Gun _____
 System Pressure _____ psi Where measured? _____

COMMENTS: If there is anything unusual about this right such as a domestic or stock use in addition to irrigation or other use, please detail here.

Note: All Boost Pumps are Berkeley Centrifugal Pumps with 5 Hp Baldor Electric Motors.

Do you recommend approval? ☒ Yes ☐ No _____

THE STATE OF WYOMING

County of _____ } ss. **COPY**

T.A. Hudson do depose and say that I have read the Proof of Appropriation and Beneficial Use of Ground Water and am aware that a field inspection was conducted the 11th day of AUGUST, 19 99. I agree with the findings of said inspection and exceptions as noted above. I further agree to the amendment of existing records to reflect the findings of this inspection.

Inspected XXXXXXXXXX by me this
11th day of August, 19 99
Mark R. Hagler
 Representative of State Engineer

Fees Paid \$ _____

 Representative of State Engineer

X T.A. Hudson CHIEF OF MAINTENANCE
 Claimant (If business, give position)
 X MAR 13 2001
 Date

The foregoing instrument was acknowledged before me this
13 day of March, 19 2001.

Witness my hand and official seal.
Janice K. Daye
 Notary Public
 My commission expires: June 10 2004
MAR 1 2001

Filed in the office of the State Board of Control
14th day of March, 19 2001
Alan Cunningham
 Ex-Officio Secretary, State Board of Control
 By Alan Cunningham
 30.00 4340

Proof No. U.W. _____
 PROOF OF APPROPRIATION OF GROUND
 WATER
 No. U.W. _____
 Division No. _____ District No. _____
 C.R. U.W. _____ Pg. _____
 Order Record _____ Pg. _____



State Engineer's Office

Herschler Building, 4-E Cheyenne, Wyoming 82002
(307) 777-7354 FAX (307) 777-5451
seoleg@missc.state.wy.us

JUN 18 2001

JIM GERINGER
GOVERNOR

PATRICK T. TYRRELL
STATE ENGINEER

February 28, 2001

Tim Hudson
Maintenance Chief
Yellowstone National Park
P.O. Box 168
Yellowstone NP, WY 82190-0168

RE: Permit Number U.W. 99188
East Entrance #1 Well

Dear Mr. Hudson:

Enclosed is a copy of correspondence sent to you February 1, 2001 with the Proof of Appropriation and Beneficial Use of Ground Water form, U.W. 8, from the August 11, 1999 inspection for the above referenced well. We must have these signed and notarized forms along with the fees in our office by March 15, 2001, if we are to be ready for the May 2001 meeting.

In checking our records, I find no response from you. It is important that these items be provided so that the water rights may be finalized.

If you have questions, please feel free to call me at 777-6161.

Sincerely,

A handwritten signature in cursive script, appearing to read "Pam Kerbs", is written above the typed name.

Pam Kerbs
Ground Water Division

/pk
enclosure

FFP

Surface Water
(307) 777-8475

Ground Water
(307) 777-8163

Board of Control
(307) 777-8178



State Engineer's Office

Herschler Building, 4-E Cheyenne, Wyoming 82002
(307) 777-7354 FAX (307) 777-5451
seoleg@missc.state.wy.us

JIM GERINGER
GOVERNOR

PATRICK T. TYRRELL
STATE ENGINEER

February 1, 2001

Tim Hudson
Maintenance Chief
Yellowstone National Park
P.O. Box 168
Yellowstone NP, WY 82190-0168

RE: East Entrance #1 well
Permit No. U.W. 99188

Dear Mr. Hudson:

On August 11, 1999, I conducted a field inspection of the referenced facility for the process of adjudication, or finalization of the water right pertaining to the referenced Permit. Enclosed you will find the Proof of Appropriation and Beneficial Use of Ground Water form, U.W. 8, from this inspection.

This Proof will need to be signed and dated where indicated in red. Please note that this Proof will need to be signed in the presence of a Notary Public before being returned to our office. The authorizing signature should show the person's position or title within the organization.

There is a \$30.00 adjudication fee which must be submitted with the Proof form. Half of this fee will provide the funds for the legally required advertising. The other half of the fee will go to the Park County Clerk, to record the Certificate of Appropriation. This Certificate of Appropriation will then be filed with the property records for the lands in question. This fee should be made payable to the Wyoming State Board of Control.

Thank you for your cooperation in this matter. If you have any questions, feel free to contact me at 307-777-7354.

Sincerely,

A handwritten signature in cursive script, reading "John R. Harju".

John R. Harju
Ground Water Division

Enclosure
Certified

Surface Water
(307) 777-6564

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

DI-1
(rev. 1-85)UNITED STATES
DEPARTMENT OF THE INTERIOR
REQUISITION

Page 1 of 1 Pages

Order Number

To

Requisition Number

Date

R157400176

3-14-01

Account Number

1574-0001-MZY

Vendor

STATE ENGINEER'S OFFICE
HERSCHLER BLDG 4-E
CHEYENNE WY 82002
ATTN: JOHN HARJU

Deliver to

Item or Form No.	Description	Quantity	Unit	Unit Price	Amount
	FEE FOR PUMP INSPECTION.	1	EA	\$30. ⁰⁰	\$30. ⁰⁰

Justification

Pump inspection fee for East Entrance Well.

For Use When Additional Approval is Required		Requisitioned by (Signature)
Bureau Officer		<i>[Signature]</i> Admin Assistant
(Signature)	(Date)	Title
Title		Approved by (Signature)
		Title

Prepare in single space typing. Use double space between items. Fill out top of requisition completely, showing complete shipping instructions and appropriation if different from that to which requisition is chargeable.

IN ADDITION TO SIGNATURE, PLEASE TYPE OR PRINT NAME BEFORE TITLE.

U.S. GOVERNMENT PRINTING OFFICE: 1984-841-169

Any active Surface Water Sources? ☐ Yes ☒ No. If yes, describe _____

DESCRIPTION OF PUMP AND WELL: Size of Surface casing 8 5/8" Flowing Well? No
 Make of Pump Grundfos Submersible I.D. No. 16905
 Rated H.P. 1/2 Type of Power Electric Make Grundfos I.D. No. N/A
 Discharge Pressure N/A psi Static Water Level No Access Pumping Level No Access
 Size of Discharge Line 3" Amount of Water Produced 16 GPM
 How was production determined? Statement of Completion
 Is well described accurately on Statement of Completion? ☐ Yes ☐ No. If not, describe difference _____

Does construction comply with State Engineer's Standards? ☒ Yes ☐ No. If not, Why? _____

SPRINKLER SYSTEMS: Type N/A Length _____ Make _____
 I.D. No. _____ Nozzle size & spacing _____ @ _____ No. of Towers _____
 Mainline Size _____ Lateral Lines _____ End Gun _____
 System Pressure _____ psi Where measured? _____

COMMENTS: If there is anything unusual about this right such as a domestic or stock use in addition to irrigation or other use, please detail here.

Note: All Boost Pumps are Berkeley Centrifugal Pumps with 5 Hp Baldor Electric Motors.

Do you recommend approval? ☒ Yes ☐ No _____

THE STATE OF WYOMING

X County of _____ } ss.

I, _____ do depose and say that I have read the Proof of Appropriation and Beneficial Use of Ground Water and am aware that a field inspection was conducted the 11th day of AUGUST, 19 99. I agree with the findings of said inspection and exceptions as noted above. I further agree to the amendment of existing records to reflect the findings of this inspection.

Inspected ~~XXXXXX~~ by me this _____

11th day of August, 19 99

Robert K. Hagie
 Representative of State Engineer

Fees Paid \$ _____

Representative of State Engineer

X T. A. [Signature]
 Claimant (If business, give position)
 X MAR 1 2001
 Date

The foregoing instrument was acknowledged before me this 13 day of March, 2001.

Witness my hand and official seal.

Janice [Signature]
 Notary Public
 My commission expires: June 18 2004

Fees Paid \$ _____ Rec. No. _____
 By _____
 Filed in the office of the State Board of Control
 day of _____, 19 _____
 Ex-officio Secretary, State Board of Control

Proof No. U.W. _____
 PROOF OF APPROPRIATION OF GROUND WATER
 No. U.W. _____
 Division No. _____ District No. _____
 C.R. U.W. _____ Pg. _____
 Order Record _____ Pg. _____



United States Department of the Interior

NATIONAL PARK SERVICE

P O Box 168
Yellowstone National Park
Wyoming 82190

IN REPLY REFER TO
DS039(YELL)

January, 22, 1999

Cheryl Verplancke
State Engineer's Office
Ground Water Division
Herschler Building, 4-E
Cheyenne, Wyoming 82002

Reference: Permit No. U.W. 99188, East Entrance #1, Yellowstone National Park,
Wyoming. Map to Accompany Proof of Appropriation and Beneficial Use of
Ground Water.

Dear Ms. Verplancke:

In response to your letter dated December 30, 1998, we are submitting the enclosed revised 7.5-Minute Series U.S.G.S. Topographic Map (Plenty Coups Peak, Wyoming) to accompany Yellowstone's previously submitted documents for Proof of Appropriation and Beneficial Use of Ground Water. In keeping with the format of your letter, the following items have been addressed to the best of Yellowstone's knowledge.

Title Block - A title block was placed in the lower right corner of the map. Included in the title is the well's name, the well's permit number, and Yellowstone's name and address.

Certificate of Surveyor - The well's location was reviewed and determined using digital U.S.G.S. software developed by MAPTECH. The map was then stamped, signed, and dated by an NPS Professional Engineer certified in the State of Wyoming.

Information to be shown - It seems that Yellowstone is not surveyed by the Public-Land System for Township and Range. At your suggestion, the well's longitude and latitude has been determined instead. These coordinates are stated on the attached location map. Please note that these final stated coordinates are slightly different from those previously listed on Yellowstone's "Statement of Completion and Description of Well or Spring" document. If you can revise this it would be appreciated.

Sincerely,

Tom McKenna, Construction Engineer

Enclosure



State Engineer's Office

Herschler Building, 4-E Cheyenne, Wyoming 82002
(307) 777-7354 FAX (307) 777-5451
seoleg@misc.state.wy.us

JIM GERINGER
GOVERNOR

GORDON W. FASSETT
STATE ENGINEER

December 30, 1998

Tim Hudson
Chief of Maintenance
PO Box 168
Yellowstone NP WY 82190-0168

Re: Permit No. U.W. 99188
East Entrance #1

Dear Mr. Hudson:

On December 18, 1998, we received the Map to Accompany Proof of Appropriation and Beneficial Use of Ground Water for the above referenced well. Unfortunately, this map is unacceptable in its present form. Therefore, I am returning the map to you so that the following revisions can be made:

Title Block

The title block should read "Map to Accompany Proof of Appropriation and Beneficial Use of Ground Water." The title block should also include the name of the well, the permit number for the well and the applicant name and address. The title block should be placed in the lower right-hand corner of the map.

Certificate of Surveyor

The Certificate of Surveyor should read "I, <<your name>>, of <<city>>, <<state>>, do hereby certify that this map was made from notes taken during an actual survey on month, day, 19__, and correctly shows the location of the well point(s) of use at the time of the survey."

Engineer's Signature
P.E. Stamp

Information to be shown

Usually, an identified section corner must be shown on said quadrangle map along with the section, township and range. In addition, the section in which the well and area(s) or point(s) of use are located must be subdivided into forty (40) acre tracts and the well location and area(s) or point(s) of use clearly labeled and described. However, since this area is unsurveyed providing the longitude and latitude of the well and area(s) or point(s) of use should be sufficient.

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

Enclosed is a copy of a quad map that was submitted for the Pahaska Campground Well as a guideline for you to follow. If you would make the requested revisions and resubmit the map to this office, we will log it in and proceed with the preparation of the field folder for our adjudication inspection.

If you have any questions, please feel free to contact me at (307) 777-6164.

Sincerely,

Cheryl Verplancke
Cheryl Verplancke
Ground Water Division

/cv
enc.

UNITED STATES GOVERNMENT

2-Way Memo

Subject: PERMIT # U.W. 99188
 EAST ENTRANCE #1 - YELLOWSTONE NATIONAL PARK
 STATEMENTS OF COMPLETION & BENEFICIAL USE.

To : GORDON W. FASSET
 STATE ENGINEER
 THE STATE OF WYOMING
 HERSCHLER BUILDING, 4E
 CHEYENNE, WYOMING 82002

INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (Originator of message):

Use brief, informal language.
 Conserve space.
 Forward original and one copy.

RECEIVER (Replier to message):

Reply below the message, keep one
 copy, return one copy.

DATE OF MESSAGE

ROUTING SYMBOL

12/14/98

SIGNATURE OF ORIGINATOR

TITLE OF ORIGINATOR

CONSTRUCTION ENGINEER

FOLD

MESSAGE

ENCLOSED ARE THE REQUIRED CONSTRUCTION & BENEFICIAL
 USE STATEMENTS REGARDING OUR NEW WATER WELL LOCATED
 AT THE EAST ENTRANCE OF YELLOWSTONE.

TOM MCKENNA

CC: T. HUDSON
 N. WARD

REPLY

From :

DATE OF REPLY

ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

5027-109

OPTIONAL FORM 27 (REV. 1-94)
 GSA
 NSN 7540-00-082-2447

1. RETAINED BY ADDRESSEE

JIM GERINGER
GOVERNOR

THE STATE OF WYOMING



GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E
(307) 777-7354

September 30, 1998

Cheyenne, Wyoming 82002
FAX (307) 777-5451

TIM HUDSON
CHIEF OF MAINTENANCE
P.O. BOX 168
YELLOWSTONE NP WY 82190-0168

RE: U.W. 99188
EAST ENTRANCE #1

Dear Sir/Madam:

The records of this office show that the time for **completing construction of and/or beneficially using the water for** the water well(s) referenced on the attachment sheet expires **December 31, 1998**.

Failure to complete construction and/or beneficially use the water within the period specified in the permit acts as a forfeiture of the water right granted by the permit.

If the well referenced above has been completed and the water used as originally proposed, proper notice must be submitted to the State Engineer on or before the expiration date of **December 31, 1998** (as of August 31, 1998 the proper notice documents had not been received). If such notice is not received, your permit will be subject to cancellation. Forms for this purpose were mailed to you previously. If the forms have become misplaced, please notify this office and additional forms will be furnished.

If you are unable to complete the well and use the water as originally proposed, (prior to the above expiration date), write a letter to the State Engineer requesting an extension of time. Good reason must be given and the request must have an original signature. **(Please note: The conditions & limitations of your permit may not allow an extension of time).**

If you have any questions, please contact the Ground Water Division.

Sincerely,

Gordon W. Fassett
State Engineer

AGENT

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

FORM U.W.6
Rev. 9-98

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
HERSCHLER BUILDING
CHEYENNE, WYOMING 82002
(307) 777-8958

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL OR SPRING

NOTE: Do not fold this form. Use typewriter
or print neatly with black ink.

- PERMIT NO. U.W. #99188 NAME OF WELL (SPRING) EAST ENTRANCE #1
1. NAME OF OWNER NATIONAL PARK SERVICE - YELLOWSTONE NATIONAL PARK
2. ADDRESS P.O. Box 168
City MANMOUTH State WY. Zip Code 82190 Phone No. (307) 344-2301
3. USE OF WATER: Domestic ☐ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☒
☐ Monitor or Test Explain proposed use (Example: One single family dwelling) SEASONAL EMPLOYEE HOUSING
4. LOCATION OF WELL (SPRING): NE 1/4 NW 1/4 of Section 8, T. 52 N., R. 69 W., of the 6th P.M., (or W.R.M.),
LONG: 110° 00' 20" LAT: 44° 29' 20"
Subdivision Name _____ Lot _____ Block _____
If surveyed, bearing, distance and reference point: _____
5. TYPE OF CONSTRUCTION: Drilled ☒ ROTARY PERCUSSION Dug ☐ Driven ☐ Other ☐
(Type of Rig)
Describe: _____
6. CONSTRUCTION: Total Depth of Well/Spring 78 ft.
Depth to Static Water Level 7' 8" ft. (Below land surface)
a. Diameter of borehole (Bit size) 6-8 inches.
b. Casing Schedule New ☒ Used ☐
8 3/8 diameter from 2' 9" ft. to 52 ft. Material TYPE A-53 Gage 0.250"
6 3/8 diameter from 2' 8" ft. to 78 ft. Material TYPE A-53 Gage 0.250"
c. Was casing cemented: Yes ☐ No ☒ Cemented interval, From _____ feet to _____ feet.
CASING GRADED TO 52' WITH BENTONITE (WEEDS 8 3/8" CASING).
d. Number of sacks of cement used _____ type of cement _____
e. Perforations: Type of perforator used NONE
Size of perforations _____ inches by _____ inches.
Number of perforations and depths where perforated:
_____ perforations from _____ ft. to _____ feet.
_____ perforations from _____ ft. to _____ feet.
f. Was well screen installed? Yes ☐ No ☒
Diameter: _____ slot size: _____ set from _____ feet to _____.
Diameter: _____ slot size: _____ set from _____ feet to _____.
g. Was well gravel packed? Yes ☐ No ☒ Size of gravel _____
h. Was surface casing used: Yes ☒ No ☐ Was it cemented in place? Yes ☒ No ☐
7. NAME & ADDRESS OF DRILLING COMPANY PRO PUMP & EQUIPMENT, INC.
2621 S. RAINBOW, LAUREL, MT 59044
8. DATE OF COMPLETION OF WELL (including pump installation) OR SPRING (first used) 9/5/98
(Date)
9. PUMP INFORMATION: Manufacturer GRUND FOS #16505 Type SUBMERSIBLE
Source of power ELECTRIC CABLE Horsepower 1/2 Depth of Pump Setting or intake _____
Amount of Water Being Pumped 16 Gallons Per Minute. (For Springs or flowing wells, see item 10.)
Total Volumetric Gallons Used Per Calendar Year. 380,000 GALLONS
10. FLOWING WELL (Owner is responsible for control of flowing well).
If well yields artesian flow, yield is _____ gal./min. Surface pressure is _____ lb./sq. inch, or _____ feet of water.
The flow is controlled by: valve ☐ cap ☐ plug ☐
Does well leak around casing? Yes ☐ No ☐

Permit No. U.W. _____

Book No. _____ Page No. _____

SEE REVERSE SIDE

12. PUMP TEST: Was a pump test made? Yes ☒ No ☐
If so, by whom PRO PUMP & EQUIPMENT, INC. Address 2621 S. RAMBORN, CHURCH
Yield: 35 gal./min. with 39.9' foot drawdown after 1 hours. MT. SPOKE
Yield: _____ gal./min. with (LEAK) foot drawdown after _____ hours.
(35.05' draw)

13. LOG OF WELL: Total depth drilled 78 feet.
Depth of completed well 78 feet. Diameter of well 6 inches.
Depth to first water bearing formation 7' 8" feet.
Depth to principal water bearing formation. Top 7' 8" feet to Bottom — feet.
Ground Elevation, if known —

From Feet	To Feet	Material Type, Texture Color	Remarks (Cementing, Shutoff)	Indicate Water Bearing Formation & Name	Indicate Perforated Casing Location
0	2"	TOPOSOIL			
2"	3	GRAVEL / BROWN CLAY			
3	4.5	BOULDER			
4.5	21	THICK HEAVY CLAY / GRAVEL / MED. COBBLES			
21	26	BOULDER			
26	31	THICK HEAVY CLAY / GRAVEL / MED. COBBLES			
31	33	GRAVEL IN SAND, CLAY, SILT			
33	40	BOULDER			
40	46	COARSE GRAVEL / CLAY			
46	56	BOULDER			
56	63	GRAVEL SANDS, CEMENTED CLAY / BLUE SILT			
63	65	BOULDER			
65	74	GRAVEL SAND, CEMENTED BLUE CLAY			
74	76	GRAVEL			
76	77	BOULDER			

Does a chemical and/or bacteriological water quality analysis accompany this form? Yes ☒ No ☐
It is recommended that chemical and bacteriologic water quality analyses be performed and that the report(s) be filed with the records of this well. (Contact Department of Agriculture, Analytical Lab Services, Laramie, 742-2984.)
If not, do you consider the water as: Good ☒ Acceptable ☐ Poor ☐ Unusable ☐

REMARKS: LABORATORY REPORT FOR CHEMICAL & BACTERIOLOGIC
WATER ANALYSIS IS ATTACHED, "AMATEC" OF BILLINGS MT.
WATER WAS INDICATED TO BE SATISFACTORY

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Thomas A. McFenna
Signature of Owner or Authorized Agent

12/14/98, 19__
Date

Date of Receipt _____, 19____ Date of Approval _____, 19____
Date of Priority _____, 19____ _____
for State Engineer

Form U.W. 8
Rev. 2-82NOTE: Do not fold this form. Use type-
writer or print neatly with black ink.STATE OF WYOMING
OFFICE OF THE STATE ENGINEER

PROOF OF APPROPRIATION AND BENEFICIAL USE OF GROUND WATER

The owner is responsible for submitting Parts I and II of this form. Part III will be prepared by a State Engineer Representative at time of inspection.

PART I

WATER DIVISION _____

U.W. DISTRICT _____

STATEMENT OF CLAIM

DATE OF PRIORITY _____

PERMIT NO. U.W. #99188LOCATION NE 1/4 NE 1/4 of Section 8

WELL REGISTRATION

T. 52 N., R. 109 W.NAME OF WELL EAST ENTRANCE #1

1. Name of Claimant(s) NATIONAL PARK SERVICE - YELLOWSTONE NATIONAL PARK
2. Address P.O. Box 168, MAMMOTH WY Zip Code 82190
3. For What Purpose(s) is Water Used? Use: MISCELLANEOUS Date First Used 12/1/98, 19 ____
 Use: _____ Date First Used: _____, 19 ____ Use: _____ Date First Used: _____, 19 ____
 If use is for irrigation, give date irrigation was completed on all lands under this Permit: _____

PART II

For Irrigation, Industrial, Municipal and Miscellaneous Wells

A plat which has been certified by a licensed professional engineer or land surveyor shall be submitted to accompany this form. The plat shall be in accordance with Sec. 33-29-111, Wyoming Statutes 1977 or see Chapter V and VI, Manual of Regulations and Instructions issued by the State Engineer's Office. (Minimum scale shall be 2" = 1 mile.) The map shall be prepared with waterproof black ink on tracing linen or an acceptable equivalent and shall show on a suitable scale the legal subdivisions, the accurate location of the well or wells, storage facilities, if any, main canals, streams, highways and other important cultural features. Land ownership will be shown, if there is more than one owner under the permit.

IRRIGATION WELLS

Acreage irrigated under terms of this permit will be clearly shown with a distinctive pattern and a distinction clearly made between lands having an original supply and those provided a supplemental supply. Where use is for supplemental supply for lands with a right from another source, indicate the priority or permit number of the source, the source of supply and the name of the ditch, pipe line or other well. Conveyance system will be shown and described. Indicate method of irrigation being used.

INDUSTRIAL WELLS

In addition to the information outlined above, industrial users will locate and describe conveyance facilities to the point(s) of use, giving as accurately as possible the location of points of use. Permits for other sources of water must be identified.

MUNICIPAL WELLS

The plat will show the area of use and show and describe the means of conveyance of the water from the well to the connection with the distribution system for a municipal water system.

MISCELLANEOUS WELLS

- (1) The linen plat for wells where the use is described as miscellaneous and where the yield flow of the well exceeds twenty-five (25) gallons per minute must show the area of use and describe and show the means of conveyance from the well to the distribution system and/or points of use.
- (2) The plat for wells where the use is described as miscellaneous and where the yield or flow is twenty-five (25) gallons per minute or less may be a 7 1/2 minute United States Geological Survey Quadrangle map in lieu of a linen tracing provided the U.S. Geological Survey Quadrangle map is in compliance with the following conditions:
 - (a) The entire United States Geological Survey quadrangle map must be submitted to the State Engineer's Office.
 - (b) The scale on said quadrangle map must be one to twenty-four thousand.
 - (c) An identified section corner or quarter corner must be shown on said quadrangle map along with Section, Township and Range.
 - (d) The section in which the well is located and the section(s) where the area(s) or point(s) of use are located must be subdivided into forty (40) acre tracts and the well location and area(s) or point(s) of use clearly labeled and described.
 - (e) Said quadrangle map showing the well location and area(s) or point(s) of use must be certified by a professional engineer or land surveyor licensed to practice within the State of Wyoming.

SEE REVERSE SIDE

A "CERTIFICATE OF OWNERSHIP" FROM _____ COUNTY CLERK'S OFFICE SHOWING OWNERSHIP OR CONTROL _____ ID(S)
INVOLVED MUST ACCOMPANY THIS FORM.

Under penalty of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Thomas A. McFenna 12/14/98 19____
Signature of Owner or Authorized Agent Date

Date of Receipt: _____, 19____

State law requires that the Bureau's copy be filed by the water well driller within 60 days after completion of the well.

WELL LOG REPORT

File No. _____

1. WELL OWNER Name <u>NATIONAL PARK SERVICE</u> 2. CURRENT MAILING ADDRESS <u>SUPPLY CENTER MINNIE HOT SPRINGS</u> <u>YELLOWSTONE NATIONAL PARK, WYO. 82190</u> 3. WELL LOCATION Township <u>4</u> N Range <u>4</u> E Section <u>36</u> County <u>MS</u> Gown Lot _____ or Lot _____ Block _____ Subdivision Name _____ Tract Number <u>EAST ENTRANCE</u> 4. PROPOSED USE: Domestic ☒ Stock ☐ Irrigation ☐ Other ☐ specify _____ 5. TYPE OF WORK: New well ☒ Method: Dig ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☒ Reconditioned ☐ Rotary ☒ Jetted ☐ 6. DIMENSIONS: Diameter of Hole Dia. <u>7.75</u> in. from <u>0</u> ft. to <u>52</u> ft. Dia. <u>6</u> in. from <u>52</u> ft. to <u>73</u> ft. Dia. _____ in. from _____ ft. to _____ ft. 7. CONSTRUCTION DETAILS: Casing: Steel Dia. <u>6.5/8</u> in. from <u>21.9</u> ft. to <u>52</u> ft. Threaded ☐ Welded ☒ Dia. <u>6.5/8</u> in. from <u>21.9</u> ft. to <u>73</u> ft. Type <u>A</u> Wall Thickness <u>.250</u> Casing: Plastic Dia. _____ from _____ ft. to _____ ft. Weight _____ Dia. _____ from _____ ft. to _____ ft. PERFORATIONS: Yes ☐ No ☒ Type of perforator used _____ Size of perforations _____ in. by _____ in. _____ perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ ft. SCREENS: Yes ☐ No ☒ Manufacturer's Name _____ Type _____ Model No. _____ Dia. _____ Slot size _____ from _____ ft. to _____ ft. Dia. _____ Slot size _____ from _____ ft. to _____ ft. GRAVEL PACKED: Yes ☐ No ☒ Size of gravel _____ Gravel placed from _____ ft. to _____ ft. GROUTED: To what depth? <u>52</u> ft. Material used in grouting <u>CEMENTITE</u> 8. WELL HEAD COMPLETION: Pitless Adapter Yes ☒ No ☐ 9. PUMP (if installed) Manufacturer's name <u>GILMER</u> Type <u>SUB</u> Model No. <u>16505</u> HP. <u>5</u> 10. WELL TEST DATA The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing. All wells under 100 gpm must be tested for a minimum of one hour and provide the following information: a) Air ☒ Pump ☒ Baller _____ ft. if flowing, closed-in pressure _____ psi. Flow controlled by: <u>3/4</u> valve, _____ reducers, _____ other, (specify) _____ c) Depth at which pump is set for test _____ ft. d) The pumping rate _____ gpm. e) Pumping water level _____ ft. at _____ hrs. after pumping began.	f) Duration of test: Pumping time <u>4</u> hrs. g) Recovery time <u>1</u> hrs. h) Recovery water level <u>81.5</u> ft. at <u>1</u> hrs. after pumping stopped. Wells intended to yield 100 gpm or more shall be tested for a period of 8 hours or more. The test shall follow the development of the well, and shall be conducted continuously at a constant discharge at least as great as the intended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquifer Test Data" form. NOTE: All wells shall be equipped with an access port 1/2 inch minimum or a pressure gauge that will indicate the shut-in pressure of a flowing well. Removable caps are acceptable as access ports. 11. WAS WELL PLUGGED OR ABANDONED? Yes ☒ No ☐ If yes, how? _____ 12. WELL LOG Depth (ft.) From To Formation <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0</td><td>21</td><td>topsoil</td></tr> <tr><td>21</td><td>31</td><td>gravel/clay (brown clay)</td></tr> <tr><td>31</td><td>41</td><td>boulder</td></tr> <tr><td>41</td><td>51</td><td>thick heavy clay/gravel/sand cobbles</td></tr> <tr><td>51</td><td>61</td><td>boulder</td></tr> <tr><td>61</td><td>71</td><td>thick heavy clay/gravel/sand cobbles</td></tr> <tr><td>71</td><td>81</td><td>gravel w/sand, clay, silt</td></tr> <tr><td>81</td><td>91</td><td>boulder</td></tr> <tr><td>91</td><td>101</td><td>coarse gravel/clay</td></tr> <tr><td>101</td><td>111</td><td>boulder</td></tr> <tr><td>111</td><td>121</td><td>52" casing refusal/reduce to 6" casing</td></tr> <tr><td>121</td><td>131</td><td>gravel, sand, cemented clay/silt (blue)</td></tr> <tr><td>131</td><td>141</td><td>boulder</td></tr> <tr><td>141</td><td>151</td><td>gravel, sand, cemented blue clay</td></tr> <tr><td>151</td><td>161</td><td>gravel</td></tr> <tr><td>161</td><td>171</td><td>boulder, hard drilling, casing refusal/collapse possible/do not recommend screening, screen will collapse</td></tr> </table> AIR DEVELOP 4.25 HRS. AT 55 GPM ATTACH ADDITIONAL SHEETS IF NECESSARY 13. YELLOWSTONE CLOSURE AREA: WATER TEMPERATURE 14. DATE COMPLETED <u>9/5/96</u> 15. DRILLER/CONTRACTOR'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. Date <u>9/12/96</u> PRO PUMP AND EQUIPMENT, INC. Firm Name 2621 S. RIMSHORN LANE, MT. 59044 Address MERVIN W. JEMETT WMC 532 Signature License No.	0	21	topsoil	21	31	gravel/clay (brown clay)	31	41	boulder	41	51	thick heavy clay/gravel/sand cobbles	51	61	boulder	61	71	thick heavy clay/gravel/sand cobbles	71	81	gravel w/sand, clay, silt	81	91	boulder	91	101	coarse gravel/clay	101	111	boulder	111	121	52" casing refusal/reduce to 6" casing	121	131	gravel, sand, cemented clay/silt (blue)	131	141	boulder	141	151	gravel, sand, cemented blue clay	151	161	gravel	161	171	boulder, hard drilling, casing refusal/collapse possible/do not recommend screening, screen will collapse
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MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
1520 EAST SIXTH AVENUE P.O. BOX 202301 HELENA, MONTANA 59620 - 2301 444-5610

DNRC

DEPARTMENT COPY

DRILLER: Please give this copy to the well owner to complete reverse side.
OWNER: Complete reverse side and send to DNRC when the well is completed and the water has been used beneficially for the intended purpose.

SALES - SERVICE - INSTALLATION

Pro Pump and Equipment / ADT

2621 S. Ramshorn
Laurel, MT 59044
Laurel 628-7709 • Billings 656-9684



9/13/96

NATIONAL PARK SERVICE
SUPPLY CENTER
MAMMOTH HOT SPRINGS
YELLOWSTONE NATIONAL PARK, WYO. 82190

PH.#307-344-2310
FAX.#307-344-2306

RE:TEST PUMPING RESULTS

ATTN: NANCY WARD

NANCY,

TEST PUMPING RESULTS ARE AS FOLLOWS:

WELL DEPTH: 78'
STATIC WATER LEVEL 7'8"

TIME	RATE:	DRAWDOWN: (WATER LEVEL)
3:30 P.M.	80 GPM	EXCESSIVE
3:32	40	40'
4:00	38/40	40'
4:30	38	40'1"
5:00	38	39'
6:00	32	35'8"
6:30	34	37'7"
7:00	34	39'8"
7:30	35	39'9"

RECOVERY:	
15 SECONDS	30'
30	23'
60	15'6"
2 MINUTES	12'4"
5	10'8"
10	9'7"
20	8'10"
30	8'6"
40	8'2"
50	8'2"
60	8'1.5"

CONTINUED NEXT PAGE.

SALES • SERVICE • INSTALLATION

RECEIVED
96 SEP 16 PM 57

YELLOWSTONE NATIONAL PARK
CONTRACTING/EQUIPMENT

Pro Pump and Equipment / ADT

2621 S. Ramshorn
Laurel, MT 59044
Laurel 628-7709 • Billings 656-9684



9/13/96

NATIONAL PARK SERVICE
SUPPLY CENTER
MAMMOTH HOT SPRINGS
YELLOWSTONE NATIONAL PARK, WY. 82190

RE: TEST PUMPING RESULTS
PUMP INSTALLATION

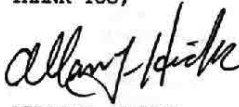
ATTN: NANCY WARD

PAGE 2

AT THE CONCLUSION OF TEST PUMPING AND RECOVERY, A CHLORINE SOLUTION IN EXCESS OF 100 PPM WAS INTRODUCED INTO THE WELL AND CIRCULATED. THE FOLLOWING DAY THE PUMP WAS RUN TO CLEAR THE WELL AND WATER SAMPLES WERE TAKEN. THE TEST PUMP WAS REMOVED FROM THE WELL AND THE CASING WAS CUT OFF 18" AGL. THE GRUNDFOS MODEL # 16S05 INSTALLED WITH 1.5" S.80 THREADED DROP PIPE, #12/3 W/GRD. SUBMERSIBLE PUMP CABLE, S-6 SANITARY WELL CAP. THE PITTLISS ADAPT. IS AT 7' BGS., AND THE PUMP IS 69' BELOW THE PITTLISS. THE DRAWDOWN GAGE TUBING IS 5' BELOW THE PUMP AT 74'.

WATER TEST RESULTS FROM AMETEC LABS TO FOLLOW.

THANK YOU,



ALLAN L. HICKS,
PRESIDENT

SALES • SERVICE • INSTALLATION

AMATEC

1537 Avenue D • P.O. Box 20873 • Billings, MT 59104 • (406) 248-2159

LABORATORY REPORTLAB NO.: 96-55503
DATE: 09/26/98 az**WATER ANALYSIS**

982419, Well, Yell. Park

Sampled 09/11/98

Constituent	Unit	Date Analyzed
Potassium		
Calcium	<1	08/16/96
Magnesium	8	08/16/96
Sulfate	1	09/16/96
Chloride	8	09/16/96
Carbonate	3	09/16/96
Bicarbonate	0	09/16/96
Total Dissolved Solids @ 180° C	84	09/24/96
Total Hardness as CaCO ₃	105	09/24/96
Total Alkalinity as CaCO ₃	19	09/17/96
pH	8.9	09/16/96
Corrosivity, Langlier Index @ 20° C	8.0 s.u.	09/24/96
Fluoride	-0.89	09/12/96
Nitrate plus Nitrite as N	0.68	N/A
	<0.05	09/13/96
Total Metals		09/13/96
Arsenic		
Barium	<0.005	09/17/96
Cadmium	<0.1	09/13/96
Chromium	0.062	09/13/96
Iron	<0.01	09/13/96
Lead	1.06	08/13/96
Manganese	0.028	08/13/96
Mercury	0.04	09/17/96
Selenium	<0.0002	09/13/96
Silver	<0.005	09/20/96
Zinc	<0.005	09/13/96
	0.80	09/13/96

MSIS Reference 11103

Water and Wastewater Analysis & Consulting

Lab No. 98-55503

QUALITY ASSURANCE DATA PACKAGE

This report includes the results of quality assurance tests performed with the sample analyses. They are performed to determine if the methodology is in control and to monitor the laboratory's ability to produce accurate and precise results.

Concentration	Duplicate Analysis		Spiked Analysis	Blank	Calibration Sample	Verification Acceptance	Date
	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	
Potassium	15	15	15	<1	20	15-22	08/15/96
Calcium	257	250	88	<1	82	45-55	09/16/96
Magnesium	227	251	101	<1	52	45-55	09/16/96
Sulfate	120	120	88	<1	282	250-350	09/16/96
Chloride	1	1	108	<1	17	55-85	09/16/96
Total Dissolved Solids @ 180°C	2420	2530	102	<10	N/A	N/A	09/17/96
Total Alkalinity as CaCO ₃	218	218	88	N/A	108	85-115	09/24/96
pH, 25°C	7.6	7.6	N/A	N/A	N/A	N/A	09/12/96
Fluoride	0.55	0.55	108	<0.10	1.01	0.90-1.10	09/13/96
Nitrate plus Nitrite as N	<0.05	<0.05	88	<0.05	0.26	0.18-0.38	09/13/96
Total Metals							
Arsenic	<0.005	<0.005	104	<0.005	0.025	0.015-0.031	09/17/96
Barium	0.1	0.1	88	<0.1	1.0	0.5-1.1	09/13/96
Cadmium	<0.001	<0.001	84	<0.001	0.220	0.200-1.10	09/13/96
Chromium	<0.01	<0.01	88	<0.01	1.00	0.50-1.10	09/13/96
Iron	0.44	0.44	88	<0.03	1.02	0.50-1.10	09/13/96
Lead	0.028	0.028	103	<0.005	0.021	0.015-0.023	09/17/96
Manganese	<0.01	<0.01	88	<0.01	1.01	0.50-1.10	09/13/96
Mercury	<0.0002	<0.0002	108	<0.0002	0.0014	0.0013-0.0017	09/20/96
Selenium	<0.005	<0.005	87	<0.005	0.042	0.035-0.055	09/16/96
Silver	0.148	0.148	87	<0.005	0.889	0.500-1.10	09/13/96
Zinc	0.07	0.07	95	<0.01	0.99	0.50-1.10	09/13/96

MSIS Reference 11103

ECTM
E. D.
BOX 20873
BILLINGS, MT 59104-0873
(406) 248-2159
1-800-999-0976

PERSON TO RECEIVE REPORT: (please print)
Name Pro Pump Phone 628-7761
Address 2621 S. Ramshorn
City Laurel State MT Zip 59040

AMOUNT DUE: \$ _____
P.O. # _____
PAID CASH \$ _____
CHECK # _____ Credit Card # _____
PAYMENT REQUIRED TO OBTAIN RESULT

Please Press Firmly

REPORT OF BACTERIOLOGICAL EXAMINATION OF WATER SAMPLES

DATE: 9/12/96 HOUR: 9:10 AM CITY/SYSTEM: Well @ F. Ent. Yellowstone Park COUNTY: _____
Collected by: Al Hicks Certified Operator: _____ Operator Certification No. _____
Received: 9/12/96
Reported: 9/15/96

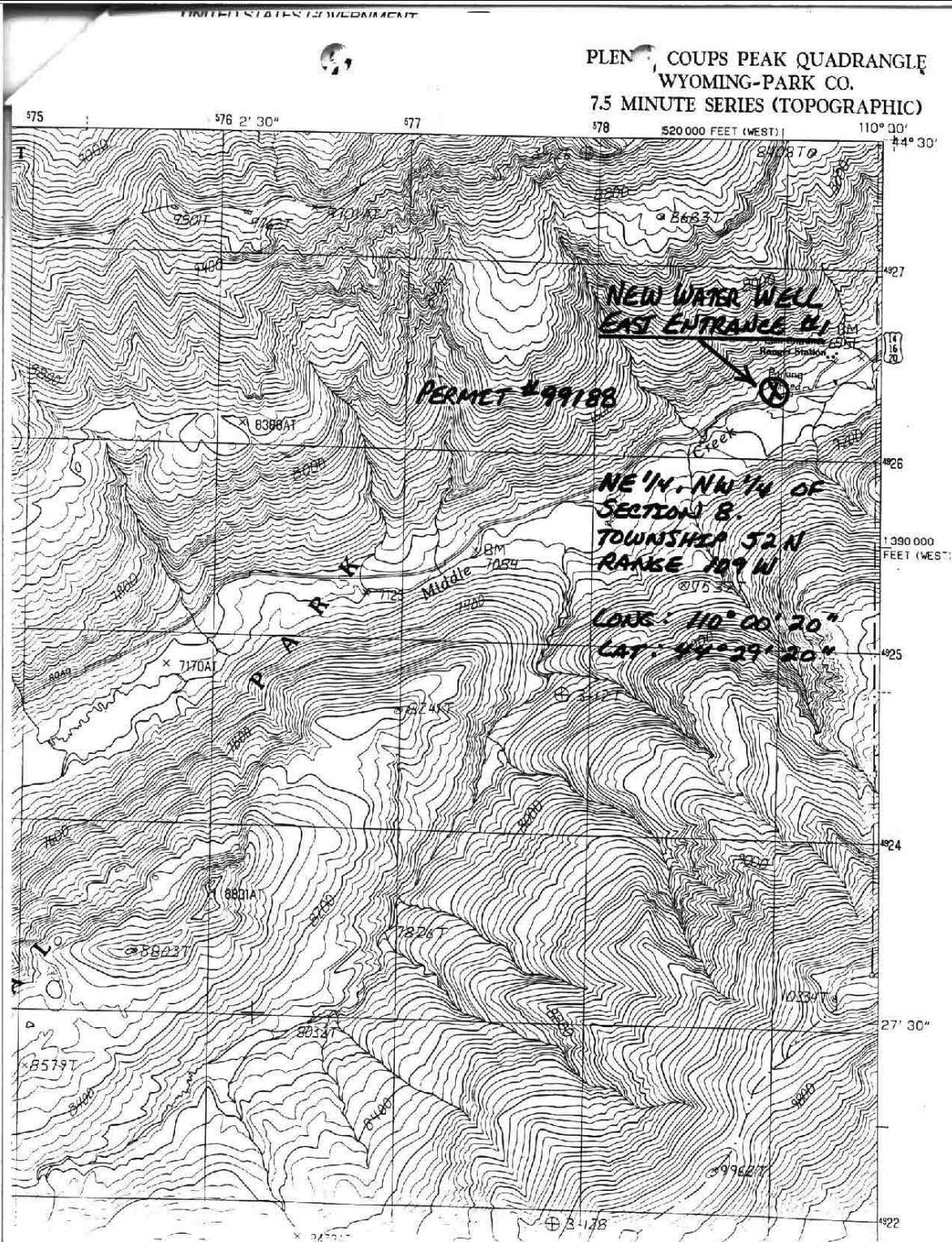
Sample Type	PWSID	Sample Site No. or Repeat Location**	CI RES P.P.M.	Lab. No.	RESULTS—LAB USE ONLY		
					Total Coliform	Fecal	HPC
		<u>Well @ F. Ent. Yellowstone Park</u>		<u>962418</u>	<u>turbid < 1/100 ml</u>		

SAMPLING PROCEDURE
(1) REMOVE FAUCET SCREEN, Run Water 2-3 min.
(2) DO NOT RINSE BOTTLE or Remove Pill, Fill.
(3) FILL OUT REPORT (include name, phone, address, date, hour, city/system and county), return to Lab within 30 hrs. of taking. 48 hrs. maximum.
(4) Samples Must Arrive at Amatec Monday thru Thursday ONLY, cut off is 3:00 PM.
(5) Samples Arriving Friday-Sunday or Holidays will result in extra charges.
Revised 1/96
© 1993

RESULTS of the examination of samples at the time received indicated that the water was
☒ Satisfactory at this time
☐ Unsatisfactory
☐ Send repeat samples immediately
☐ Repeat non-coliform interference

DATE NOTIFIED _____

 Certified Analyst



JIM GERINGER
GOVERNOR

THE STATE



OF WYOMING

GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E
(307) 777-7354

September 30, 1998

Cheyenne, Wyoming 82002
FAX (307) 777-5451

TIM HUDSON
CHIEF OF MAINTENANCE
P.O. BOX 168
YELLOWSTONE NP WY 82190-0168

RE: U.W. 99188
EAST ENTRANCE #1

Dear Sir/Madam:

The records of this office show that the time for **completing construction of and/or beneficially using the water for** the water well(s) referenced on the attachment sheet expires **December 31, 1998**.

Failure to complete construction and/or beneficially use the water within the period specified in the permit acts as a forfeiture of the water right granted by the permit.

If the well referenced above has been completed and the water used as originally proposed, proper notice must be submitted to the State Engineer on or before the expiration date of **December 31, 1998** (as of August 31, 1998 the proper notice documents had not been received). If such notice is not received, your permit will be subject to cancellation. Forms for this purpose were mailed to you previously. If the forms have become misplaced, please notify this office and additional forms will be furnished.

If you are unable to complete the well and use the water as originally proposed, (prior to the above expiration date), write a letter to the State Engineer requesting an extension of time. Good reason must be given and the request must have an original signature. **(Please note: The conditions & limitations of your permit may not allow an extension of time).**

If you have any questions, please contact the Ground Water Division.

Sincerely,

Gordon W. Fassett
State Engineer

AGENT

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

JIM GERINGER
GOVERNOR

THE STATE OF WYOMING



GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E
(307) 777-7354

September 30, 1998

Cheyenne, Wyoming 82002
FAX (307) 777-5451

U.S. NATIONAL PARK SERVICE
P.O. BOX 25287
DENVER CO 80225-0287

RE: Permit No. U.W. 99188
EAST ENTRANCE #1

Dear Sir/Madam:

The records of this office show that the time for **completing construction of and/or beneficially using the water from** the above water well expires **December 31, 1998**.

Failure to complete construction and/or beneficially use the water within the period specified in the permit acts as a forfeiture of the water right granted by the permit.

If the well referenced above has been completed and the water used as originally proposed, proper notice must be submitted to the State Engineer on or before the expiration date of **December 31, 1998** (as of August 31, 1998 the proper notice documents had not been received). If such notice is not received, your permit will be subject to cancellation. Forms for this purpose were mailed to you previously. If the forms have become misplaced, please notify this office and additional forms will be furnished.

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If you have any questions, please contact the Ground Water Division.

Sincerely,

A handwritten signature in dark ink, appearing to read "Gordon W. Fassett", written over a horizontal line.

Gordon W. Fassett
State Engineer

"CERTIFIED"

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178



State Engineer's Office

Herschler Building, 4-E Cheyenne, Wyoming 82002
(307) 777-7354 FAX (307) 777-5451
seoleg@misc.state.wy.us

RECEIVED
JUN 17 1998

JIM GERINGER
GOVERNOR
GORDON W. FASSETT
STATE ENGINEER

MAR 05 1998

U.S. National Park Service
PO Box 25287
Denver, CO 80225-0287

Re: Permit No. U.W. 99188

Dear Applicant:

Agreeable to your request of recent date, the time limit for **Completion of Construction and Completion of Beneficial Use of Water** has been extended until **December 31, 1998**.

Sincerely,


for Richard G. Stockdale, Administrator
Ground Water Division

RGS/src

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

MISCELLANEOUS NOTICE
PERMIT NO. U.W. 99188
Extension Request



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE

P O Box 168
Yellowstone National Park
Wyoming 82190

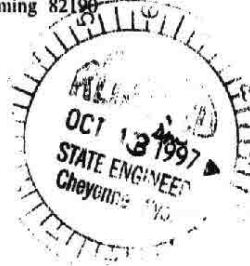
U.W. 99188

MICRO
FILMED

JUN 17 1998

D5039(YELL)

October 8, 1997



Mr. Gordon W. Fassett, State Engineer
Herschler Building 4-E
Cheyenne, Wyoming 82002

Dear Mr. Fassett:

We have received your letter of September 30, 1997, concerning the above referenced well at the East Entrance of Yellowstone National Park and would like to report as to its current status.

The well itself has been completely constructed and tested in accordance with the terms of the permit. The associated water lines are in place and the pumphouse is under construction. All water lines from the pumphouse to service are also in place.

It is unlikely that the pumphouse will be totally functional by the time the area is snowed in for the winter (around November 1). In addition, the pumphouse will have to be tested before all of the final hookups to the new system can be made. Even if the pumphouse is finished, the disconnection's from the old system and the connections to the new system would have to be made in frozen ground. Construction in these conditions increases the margin of error and leaves no time for the startup adjustments that always occur in a new system. The construction season at the East Entrance was even shorter than usual this year, as the groundwater did not recede to summer levels until sometime in August. This caused us to be delayed in installing the water lines and the wet well for the pumphouse.

We anticipate that the entire system will be totally operable by mid-July 1998 and request an extension of time until September 30, 1998, to complete this project. We understand the concern about how long this project has taken to complete, but given normal access and groundwater conditions, it would have been done this year.

MICRO JUN 17 1998

If you have any questions about our request for a final extension to complete this project, please do not hesitate to contact us at (307) 344-2301.

Sincerely,

Tim A. Hudson

Tim A. Hudson
Chief of Park Maintenance

October 13, 1997 - Request for extension of time for completion of construction and completion of beneficial use received and granted until December 31, 1998.

3-4-98
DATE OF APPROVAL

Richard G. Stockdale
RICHARD G. STOCKDALE, Administrator
Ground Water Division

JIM GERINGER
GOVERNOR

THE STATE OF WYOMING



GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E September 30, 1997 Cheyenne, Wyoming 82002
(307) 777-7354 FAX (307) 777-5451

TIM HUDSON
CHIEF OF MAINTENANCE
P.O. BOX 168
YELLOWSTONE WY 82190-0168

Re: Permit No. U.W. 99188
EAST ENTRANCE #1

Dear Sir/Madam:

The records of this office show that the time for completing construction of and/or beneficially using the water from the above water well expires December 31, 1997.

Failure to complete construction and/or beneficially use the water within the period specified in the permit acts as a forfeiture of the water right granted by the permit.

If the well referenced above has been completed and the water used as originally proposed, proper notice must be submitted to the State Engineer on or before the expiration date of December 31, 1997 (as of August 31, 1997 the proper notice documents had not been received). If such notice is not received, your permit will be subject to cancellation. Forms for this purpose were mailed to you previously. If the forms have become misplaced, please notify this office and additional forms will be furnished.

If you are unable to complete the well and use the water as originally proposed, (prior to the above expiration date), write a letter to the State Engineer requesting an extension of time. Good reason must be given and the request must have an original signature. (Please note: The conditions & limitations of your permit may not allow an extension of time).

If you have any questions, please contact the Ground Water Division.

Sincerely,

Gordon W. Fassett
State Engineer

"AGENT"

Administration
(307) 777-6150

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

Technical Services
(307) 777-7355



JIM GERINGER
GOVERNOR

THE STATE OF WYOMING



SEP 30 1997

GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E
(307) 777-7354

September 30, 1997

Cheyenne, Wyoming 82002
FAX (307) 777-5451

U.S. NATIONAL PARK SERVICE
P.O. BOX 25287
DENVER CO 80225-0287

RE: PERMIT NO. U.W. 99188
EAST ENTRANCE #1

Dear Sir/Madam:

The records of this office show that the time for **completing construction of and/or beneficially using the water from the above water well expires December 31, 1997.**

Failure to complete construction and/or beneficially use the water within the period specified in the permit acts as a forfeiture of the water right granted by the permit.

If the well referenced above has been completed and the water used as originally proposed, proper notice must be submitted to the State Engineer on or before the expiration date of **December 31, 1997 (as of August 31, 1997 the proper notice documents have not been received).** If such notice is not received, your permit will be subject to cancellation. Forms for this purpose were mailed to you previously. If the forms have become misplaced, please notify this office and additional forms will be furnished.

If you are unable to complete the well and use the water as originally proposed, (prior to the above expiration date), write a letter to the State Engineer requesting an extension of time. Good reason must be given, the request must have an original signature and be postmarked on or before **December 31, 1997. (Please note: THE CONDITIONS AND LIMITATIONS OF YOUR PERMIT MAY NOT ALLOW AN EXTENSION OF TIME).**

If you have any questions, please contact the Ground Water Division.

Sincerely,

Gordon W. Fassett
State Engineer

"CERTIFIED"

Administration
(307) 777-6150

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

Technical Services
(307) 777-7355



JIM GERINGER
GOVERNOR



GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E
(307) 777-7354

NOV 25 1996

Cheyenne, Wyoming 82002
FAX (307) 777-5451

United States Department of Interior
National Park Service
P.O. Box 168
Yellowstone National Park, WY 82190

Re: Permit No. U.W. 99188

Dear Ms. Ward:

Agreeable to your request of recent date, the time limit for Completion of Construction and Completion of Beneficial Use of Water has been extended until December 31, 1997.

Sincerely,



Richard G. Stockdale, Administrator
Ground Water Division

RGS/src

Administration
(307) 777-6150

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

Technical Services
(307) 777-7355





IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE
P.O. Box 168
Yellowstone National Park
Wyoming 82190

JAN 22 1997

D5039(YELL)

October 24, 1996

State Engineer
State Engineer's Office
Herschler Building 4-E
Cheyenne, Wyoming 82002

Re: **Permit No. U.W. 99188**
EAST ENTRANCE #1

Dear Sir/Madam:

In regard to the above referenced permit for the construction and beneficial use of the water at the east entrance of Yellowstone National Park, the park is requesting an extension of time for the completion of this work. The well has been installed but the pumphouse and distribution lines serving the area have not been constructed. This portion of the project was delayed, as it conflicted with the access to the other construction projects in this area. We are anticipating the completion of this project next season and would therefore like to request a one year time extension with a new expiration date of December 31, 1997. If additional information is required, please contact me at (307) 344-2310. The well log and other well information is available if you need it at this time.

Sincerely,

Nancy Ward
Supervisory Civil Engineer



JIM GERINGER
GOVERNOR

THE STATE OF WYOMING



MICRO OCT 0 2 1996
FILMED

GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E September 30, 1996 Cheyenne, Wyoming 82002
(307) 777-7354 FAX (307) 777-5451

TIM HUDSON
CHIEF OF MAINTENANCE
P.O. BOX 168
YELLOWSTONE NP, WY 82190-0168

Re: Permit No. U.W. 99188
EAST ENTRANCE #1

Dear Sir/Madam:

The records of this office show that the time for completing construction of and/or beneficially using the water from the above water well expires December 31, 1996.

Failure to complete construction and/or beneficially use the water within the period specified in the permit acts as a forfeiture of the water right granted by the permit.

If the well referenced above has been completed and the water used as originally proposed, proper notice must be submitted to the State Engineer on or before the expiration date of December 31, 1996 (as of August 31, 1996 the proper notice documents had not been received). If such notice is not received, your permit will be subject to cancellation. Forms for this purpose were mailed to you previously. If the forms have become misplaced, please notify this office and additional forms will be furnished.

If you are unable to complete the well and use the water as originally proposed, (prior to the above expiration date), write a letter to the State Engineer requesting an extension of time. Good reason must be given and the request must have an original signature. (Please note: The conditions & limitations of your permit may not allow an extension of time).

If you have any questions, please contact the Ground Water Division.

Sincerely,

Gordon W. Fassett
State Engineer

"AGENT"

10-7-96

JIM GERINGER
GOVERNOR

THE STATE



OF WYOMING

GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E
(307) 777-7354

September 30, 1996

Cheyenne, Wyoming 82002
FAX (307) 777-5461

U.S. NATIONAL PARK SERVICE
P.O. BOX 25287
DENVER, CO 80225-0287

Re: Permit No. U.W. 99188
EAST ENTRANCE #1

Dear Sir/Madam:

The records of this office show that the time for completing construction of and/or beneficially using the water from the above water well expires December 31, 1996.

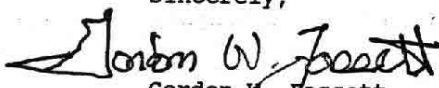
Failure to complete construction and/or beneficially use the water within the period specified in the permit acts as a forfeiture of the water right granted by the permit.

If the well referenced above has been completed and the water used as originally proposed, proper notice must be submitted to the State Engineer on or before the expiration date of December 31, 1996 (as of August 31, 1996 the proper notice documents had not been received). If such notice is not received, your permit will be subject to cancellation. Forms for this purpose were mailed to you previously. If the forms have become misplaced, please notify this office and additional forms will be furnished.

If you are unable to complete the well and use the water as originally proposed, (prior to the above expiration date), write a letter to the State Engineer requesting an extension of time. Good reason must be given and the request must have an original signature. (Please note: The conditions & limitations of your permit may not allow an extension of time).

If you have any questions, please contact the Ground Water Division.

Sincerely,


Gordon W. Fassett
State Engineer

"CERTIFIED" ✓

THE STATE OF WYOMING



JIM GERINGER
GOVERNOR

GORDON W. FASSETT
STATE ENGINEER

State Engineer's Office

Herschler Building, 4-E
(307) 777-7354

Cheyenne, Wyoming 82002
FAX (307) 777-5451

MAY 22, 1995

TIM HUDSON
CHIEF OF MAINT
PO BOX 168
YELLOWSTONE NP WY 82190-0168

Dear Applicant:

You are advised that the State Engineer approved the following application(s) to appropriate ground water on MAY 18, 1995. A copy of each permit is enclosed. Also enclosed are forms and instructions for submitting data to the State Engineer relating to the completion of the well and the beneficial use of the water, as required by law.

PERMIT NUMBERS

U.W. 99188 - EAST ENTRANCE #1

By Statute the well must be completed and the water beneficially utilized by DECEMBER 31, 1996. IF THE REQUIRED NOTICES ARE NOT RETURNED TO THIS OFFICE WITHIN THE STATUTORY TIME LIMITS SET FORTH, THE PERMIT(S) WILL BE SUBJECT TO CANCELLATION, WHICH ACTS AS A FORFEITURE OF THE WATER RIGHT GRANTED BY THIS PERMIT.

An extension of time may be requested completion of work when good reason is provided. A request for such extension must be received in the State Engineer's Office prior to the expiration date shown on the permit. Requests for extension of time must indicate due diligence on the part of the applicant to comply with the time limits imposed by this permit.

Sincerely,

A handwritten signature in dark ink, appearing to read "Richard G. Stockdale".

Richard G. Stockdale, Administrator
Ground Water Division

RGS:clv

Administration
(307) 777-6150

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

Technical Services
(307) 777-7355



Page No. _____

The well or spring is to be constructed on lands owned by YELLOWSTONE NP
 (The granting of a permit does not constitute the granting of right-of-way. If any easement or right-of-way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, and if the land is privately owned and the owner is not the co-applicant, an agreement should accompany this application.)

12. The water is to be used on lands owned by YELLOWSTONE NP
 (If the landowner is not the applicant, a copy of the agreement relating to the usage of appropriated water on the land should be submitted to this office. If the landowner is included as co-applicant on the application, this procedure need not be followed.) NOTE: Water rights attach to the area(s) and/or point(s) of use.

REMARKS: SEASONAL HOUSING TO BE FULLY OCCUPIED 4 MONTHS
OF THE YEAR. HOUSING TO BE OCCUPIED BY
2 RESIDENTS BALANCE OF YEAR.

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Signature of Applicant or Authorized Agent

Date

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES (Domestic use is defined as use of water in a single-family dwellings or less, noncommercial watering of lawns and gardens totaling one acre or less.)	\$25.00
IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS	\$50.00
MONITOR (For water level measurements or chemical quality sampling, test well)	NO FEE

IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.

STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 10th day of March, A.D. 19 95, at 8:15 o'clock A. M.

Permit No. U.W. 99188

for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights. If the ground and surface waters are interconnected, the use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use without loss of water into sub-surface formations or at the land surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well or spring. ~~Construction of well or spring will begin within one (1) year from date of approval.~~ A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 19 96.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 18th day of May, A.D. 19 95.

Gordon W. Fassett, State Engineer

RECEIPT

The State of Wyoming

STATE ENGINEER'S OFFICE

Cheyenne, Wyoming 82002

No 11755

RECEIVED OF

5/10 1995
 U.S. Dept. of the Interior
 National Park Service
 P.O. Box 35237 Denver, CO 80235
 Fifty and 00/100

DOLLARS

RECORDING FEES

MICROFILM COPIES

PRINTS

MISCELLANEOUS

APPLICATION(S) RECEIVED AND FILED THIS DATE:

East Entrance #1
 U.W.S.-MISC.

50.00

TEMPORARY FILING NO'S:

U.W. 24-10-91

CRH 004825

PH (303) 969-2258

TOTAL

50.00

By

M Spencer

98188

MICRO
FILMED



United States Department of the Interior
NATIONAL PARK SERVICE
ROCKY MOUNTAIN REGIONAL OFFICE
12795 W. Alameda Parkway
P.O. Box 25287
Denver, Colorado 80225-0287

May 4, 1995

State of Wyoming
Office of State Engineering
Herschler Bldg. 4-E
Cheyenne WY 82202

Please find our Government Check in the amount of \$50.00 for domestic water well permit.
fee.

If you have any questions, please give me a call at (303) 969-2791.

Thank you,

Mary McManus
Purchasing Agent

REQUEST FOR QUOTATIONS (THIS IS NOT AN ORDER)		The Notice of Small Business-Small Purchase Set-Aside is ☐ is not applicable.		the reverse of this form		PAGE 1 OF 1 PAGES	
1. REQUEST NO. 1443RQ157096019	2. DATE ISSUED 7/29/96	3. REQUISITION/PURCHASE REQUEST NO. DI4CM409	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1		5. RATING		
5A. ISSUED BY National Park Service Supply Center, Mammoth Hot Springs Yellowstone National Park, WY 82190			6. DELIVERY (Date) 09/20/96				
5B. FOR INFORMATION CALL: (Name and telephone no.) (No collect calls) Madeline Hall (307)344-2076			7. DELIVERY ☒ FOB DESTINATION ☐ OTHER (See Schedule)				
8. TO: NAME AND ADDRESS, INCLUDING ZIP CODE Attn Al Hicks Pro Pump And Equipment 2621 South Ramshorn Laurel MT 59044			9. DESTINATION (Consignee and address, including ZIP Code) National Park Service East Entrance Yellowstone NP, WY 82190				
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE ON OR BEFORE CLOSE OF BUSINESS (Date) August 5, 1996		11. BUSINESS CLASSIFICATION (Check appropriate boxes) ☒ SMALL ☐ OTHER THAN SMALL ☐ DISADVANTAGED ☐ WOMEN-OWNED					
IMPORTANT: This is a request for information, and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by Quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the Quoter.							
12. SCHEDULE (Include applicable Federal, State and local taxes)							
ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)		
	THE FOLLOWING ARE CHANGES MADE TO THE REQUEST FOR QUOTATION 1443RQ157096019 ISSUED 07/23/96: Attachment No. 1 Page 2 --- 2.1 WELL CASING: CHANGE FROM - "The upper 20 feet of casing shall be steel. The remaining casing shall be PVC." TO "The well casing shall be steel. DELETE PVC casing paragraph." 2.7 DISCHARGE PIPE: CHANGE FROM - 2" ductile iron, Schedule 40 TO 2" galv. steel pipe, Schedule 40. PLEASE FAX YOUR SIGNED QUOTE TO REACH US NO LATER THAN 8/5/96 (5:30PM). Our fax number is 307-344-2079.	1	LS		\$ 10,130 ⁰⁰		
13. DISCOUNT FOR PROMPT PAYMENT		10 CALENDAR DAYS	20 CALENDAR DAYS	30 CALENDAR DAYS	CALENDAR DAYS		
		%	2 %	NET %			
NOTE: Reverse must also be completed by the Quoter.							
14. NAME AND ADDRESS OF QUOTE: (Street, city, county, State and ZIP Code) Pro Pump & Equip. Inc 2621 S. Ramshorn Laurel, MT. 59044			15. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION <i>Al Hicks</i> 17. NAME AND TITLE OF SIGNER (Type or print) ALAN L. HICKS PRESIDENT		16. DATE OF QUOTATION 7/31/96 18. TELEPHONE NO. (Include area code) 406-628-7709		

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PART I - INSPECTION AND ACCEPTANCE

I.1 INSPECTION AND ACCEPTANCE

- (a) The Contracting Officer or the duly authorized representative will perform inspection and acceptance of materials and services to be provided.
- (b) For the purposes of this clause, NANCY WARD is the authorized representative of the Contracting Officer.
- (c) Inspection and acceptance will be performed at

EAST ENTRANCE
YELLOWSTONE NATIONAL PARK WY

PART II - DELIVERIES OR PERFORMANCE

II.1 52.252-2 CLAUSES INCORPORATED BY REFERENCE (JUN 1988)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

NUMBER	TITLE	DATE
52.242-14	SUSPENSION OF WORK	APR 1984

II.2 52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)
ALTERNATE I (APR 1984)

The Contractor shall be required to (a) commence work under this contract within 5 calendar days after the date the Contractor receives the ORDER FOR SUPPLIES AND SERVICES, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than No Later than September 20, 1996. The time stated for completion shall include final cleanup of the premises.

The completion date is based on the assumption that the successful offeror will receive the ORDER FOR SUPPLIES AND SERVICES by AUGUST 5, 1996. The completion date will be extended by the number of calendar days after the above date that the Contractor receives the notice to proceed, except to the extent that the delay in issuance of the notice to proceed results from the failure of the Contractor to execute the contract and give the required performance and payment bonds within the time specified in the offer.

PART III - CONTRACT CLAUSES

III.1 52.252-2 CLAUSES INCORPORATED BY REFERENCE (JUN 1988)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

NUMBER	TITLE	DATE
52.203-3	GRATUITIES	APR 1984
52.219-20	NOTICE OF EMERGING SMALL BUSINESS SET-ASIDE	JAN 1991
52.222-3	CONVICT LABOR	APR 1984
52.222-4	CONTRACT WORK HOURS AND SAFETY STANDARDS	JUL 1995
52.222-6	ACT - OVERTIME COMPENSATION	
52.222-7	DAVIS-BACON ACT (DEVIATION)	FEB 1995
52.222-8	WITHHOLDING OF FUNDS	FEB 1988
52.222-9	PAYROLLS AND BASIC RECORDS	FEB 1988
52.222-10	APPRENTICES AND TRAINEES	FEB 1988
52.222-11	COMPLIANCE WITH COPELAND ACT REQUIREMENTS	FEB 1988
52.222-12	SUBCONTRACTS (LABOR STANDARDS)	FEB 1988
52.222-13	CONTRACT TERMINATION - DEBARMENT	FEB 1988
52.222-14	COMPLIANCE WITH DAVIS-BACON AND RELATED ACT REGULATIONS	FEB 1988
52.222-15	DISPUTES CONCERNING LABOR STANDARDS	FEB 1988
52.222-36	CERTIFICATION OF ELIGIBILITY	FEB 1988
52.225-5	AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS	APR 1984
52.232-1	BUY AMERICAN ACT - CONSTRUCTION MATERIALS	MAY 1992
52.232-8	PAYMENTS	APR 1984
52.232-27	DISCOUNTS FOR PROMPT PAYMENT	APR 1989
52.233-1	PROMPT PAYMENT FOR CONSTRUCTION CONTRACTS	MAR 1994
52.243-1	DISPUTES	OCT 1995
	CHANGES - FIXED-PRICE	AUG 1987

II. DOI ACQUISITION REGULATION (48 CFR CHAPTER 14) CLAUSES

NUMBER	TITLE	DATE
1452.236-70	PROHIBITION AGAINST USE OF LEAD-BASED PAINT--DEPARTMENT OF THE INTERIOR	APR 1984

III.2 52.222-23 NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (APR 1984)

Goal for Minority Participation for each trade: 3%

Goal for Female Participation for each trade: 6.9%

III.3 ATTACHMENT TO REQUEST FOR QUOTES

ATTACHMENT NO.	DESCRIPTION	NO. OF PAGES
1	SPECIFICATIONS	6
2	DAVIS BACON WAGES DETERMINATION	5

PART IV - REPRESENTATIONS, CERTIFICATIONS, AND PROVISIONS

IV.1 52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (OCT 1995)

- (a) (1) The standard industrial classification (SIC) code for this acquisition is 1781.
- (2) The small business size standard is average annual receipts less \$7.0 million for the preceeding 3 fiscal years.
- (3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.
- (b) Representations. (1) The offeror represents and certifies as part of its offer that it [] is, [] is not a small business concern.
- (2) (Complete only if offeror represented itself as a small business concern in block (b)(1) of this section.) The offeror represents as part of its offer that it [] is, [] is not a small disadvantaged business concern.
- (3) (Complete only if offeror represented itself as a small business concern in block (b)(1) of this section.) The offeror represents as part of its offer that it [] is, [] is not a women-owned small business concern.
- (c) Definitions. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.
- "Small disadvantaged business concern", as used in this provision, means a small business concern that (1) is at least 51 percent unconditionally owned by one or more individuals who are both socially and economically disadvantaged, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more individuals who are both socially and economically disadvantaged individuals, and (2) has its management and daily business controlled by one or more such individuals. This term also means a small business concern that is at least 51 percent unconditionally owned by an economically disadvantaged Indian tribe or Native Hawaiian Organization, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more of these entities, which has its management and daily business controlled by members of an economically disadvantaged Indian tribe or Native Hawaiian Organization, and which meets the requirements of 13 CFR part 124.
- "Women-owned small business concern", as used in this provision, means a small business concern--
- (1) Which is at least 51 percent owned by one or more women

or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

- (2) Whose management and daily business operations are controlled by one or more women.
- (d) Notice. (1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.
- (2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small or small disadvantaged business concern in order to obtain a contract to be awarded under the preference programs established pursuant to sections 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--
 - (i) Be punished by imposition of a fine, imprisonment, or both;
 - (ii) Be subject to administrative remedies, including suspension and debarment; and
 - (iii) Be ineligible for participation in programs conducted under the authority of the Act.

IV.2 52.204-3 TAXPAYER IDENTIFICATION (MAR 1994)

(a) Definitions.

"Common parent," as used in this solicitation provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Corporate status," as used in this solicitation provision, means a designation as to whether the offeror is a corporate entity, an unincorporated entity (e.g., sole proprietorship or partnership), or a corporation providing medical and health care services.

"Taxpayer Identification Number (TIN)," as used in this solicitation provision, means the number required by the IRS to be used by the offeror in reporting income tax and other returns.

- (b) All offerors are required to submit the information required in paragraphs (c) through (e) of this solicitation provision in order to comply with reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M and implementing regulations issued by the Internal Revenue Service (IRS). If the resulting contract is subject to the reporting requirements described in FAR 4.903, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) Taxpayer Identification Number (TIN).

- ☐ TIN: _____
☐ TIN has been applied for.
☐ TIN is not required because:

- ☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the U.S. and does not have an office or place of business or a fiscal paying agent in the U.S.;
☐ Offeror is an agency or instrumentality of a foreign government;
☐ Offeror is an agency or instrumentality of a Federal, state, or local government;
☐ Other. State basis. _____

(d) Corporate Status.

- ☐ Corporation providing medical and health care services, or engaged in the billing and collecting of payments for such services;
☐ Other corporate entity;
☐ Not a corporate entity:
☐ Sole proprietorship
☐ Partnership
☐ Hospital or extended care facility described in 26 CFR 501(c)(3) that is exempt from taxation under 26 CFR 501(a).

(e) Common Parent.

- ☐ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this clause.
☐ Name and TIN of common parent:

Name _____
TIN _____

IV.3 52.225-1 BUY AMERICAN CERTIFICATE (DEC 1989)

The offeror certifies that each end product, except those listed below, is a domestic end product (as defined in the clause entitled "Buy American Act--Supplies"), and that components of unknown origin are considered to have been mined, produced, or manufactured outside the United States.

Excluded End Products	Country of Origin
_____	_____
_____	_____
_____	_____

(List as necessary)

Offerors may obtain from the Contracting Officer lists of articles, materials, and supplies excepted from the Buy American Act.

IV.4 1452.228-70 LIABILITY INSURANCE--DEPARTMENT OF THE INTERIOR (JUL 1985)

- (a) The contractor shall procure and maintain during the term of this contract and any extension thereof liability insurance in form satisfactory to the Contracting Officer by an insurance company which is acceptable to the Contracting Officer. The

name insured parties under the policy shall be the Contractor and the United States of America. The amounts of the insurance shall be not less than as follows:

Workers Compensation
and Employer's Liability:
General Liability: per occurrence
Automotive Liability: \$500,000 each occurrence
Property: \$20,000 \$100,000 each person

- (b) Each policy shall have a certificate evidencing the insurance coverage. The insurance company shall provide an endorsement to notify the Contracting Officer 30 days prior to the effective date of any cancellation or termination of the policy or certificate; or any modification of the policy or certificate which may adversely affect the interest of the Government in such insurance. The certificate shall identify the contract number, the name and address of the Contracting Officer, as well as the insured, the policy number and a brief description of contract services to be performed. The contractor shall furnish the Contracting Officer with a copy of an acceptable insurance certificate prior to beginning the work.

IV.5 52.219-19 SMALL BUSINESS CONCERN REPRESENTATION FOR THE SMALL BUSINESS COMPETITIVENESS DEMONSTRATION PROGRAM (JUL 1991)

(a) Definition.

"Emerging small business" as used in this solicitation, means a small business concern whose size is no greater than 50 percent of the numerical size standard applicable to the standard industrial classification code assigned to a contracting opportunity.

- (b) (Complete only if the Offeror has certified itself under the provision at 52.219-1 as a small business concern under the size standards of this solicitation.)

The Offeror represents and certifies as part of its offer that it ☐ is, ☐ is not an emerging small business.

- (c) (Complete only if the Offeror is a small business or an emerging small business, indicating its size range.)

Offeror's number of employees for the past 12 months (check this column if size standard in solicitation is expressed in terms of number of employees) or Offeror's average annual gross revenue for the last 3 fiscal years (check this column if size standard stated in solicitation is expressed in terms of annual receipts). (Check one of the following.)

No. of Employees	Avg. Annual Gross Revenues
☐ 50 or fewer	☐ \$1 million or less
☐ 51 - 100	☐ \$1,000,001 - \$2 million
☐ 101 - 250	☐ \$2,000,001 - \$3.5 million
☐ 251 - 500	☐ \$3,500,001 - \$5 million
☐ 501 - 750	☐ \$5,000,001 - \$10 million
☐ 751 - 1,000	☐ \$10,000,001 - \$17 million
☐ Over 1,000	☐ Over \$17 million

SECTION 02670

POTABLE WATER WELL

PART 1: GENERAL

1.1 DESCRIPTION: The well drilled under this specification is to provide a potable water supply. The work to be done includes the drilling, development and testing of the well; proper placement of casing, well screen, gravel pack, drop pipe, pump, pitless adapter, and discharge pipe, and proper cleaning and restoration of the site upon completion of the work. All work and equipment must meet the approval of the State of Wyoming, Department of Environmental Quality. Work to be done at the East Entrance of Yellowstone National Park.

1.2 WELL PERMIT RESPONSIBILITY: A permit for the construction of a well has been obtained from the State of Wyoming, Office of State Engineer.

1.3 SUBMITTALS: Provide manufacturer's data sheets for the following items prior to mobilization.

- (1) Well casing
- (2) Pitless adapter
- (3) Drop pipe
- (4) Discharge pipe

Submit information on drilling rig and methods to be used prior to mobilization.

Submit data on gravel pack and well screen after analysis of geological formation. Submit pump data sheet based on information obtained during pump test.

1.4 CLOSEOUT SUBMITTALS: Provide a copy of the driller's log and results of the water analysis.

1.5 SITE ACCESS: Access to the site from the east is available to wheeled vehicles. The road from Cody to the East Gate and from the East Gate to Fishing Bridge Junction are under construction. Delays and closures are expected. The contractor is responsible for obtaining any road information that may affect his work.

PART 2: PRODUCTS

The products provided shall be adequate to provide a well with the capability to produce 20 GPM against a total dynamic head not to exceed 50 feet. The well shall be drilled to a depth of approximately 100 feet. Discharge pipe shall be provided to a distance of 5 feet from the pitless unit. The casing shall be sealed in place. The ability to determine the water level inside the casing shall be provided.

2.1 WELL CASING: The upper 20 feet of casing shall be steel. The remaining casing shall be PVC.

Steel casing - Schedule 40, Grade B, ASTM A53-81a, black steel. The casing shall be threaded, 6 inch nominal diameter, 6.625 outside dimension with a minimum wall thickness of 0.25 inches.

PVC casing - Schedule 40, threaded, 6" ID, meeting the following specifications: ASTM-F480-88A, Standard Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80.

2.2 WELL SCREEN: 10 feet, 6" slotted PVC Schedule 40 well screen. Contractor shall submit recommended well screen prior to installation based on characteristics of the water bearing formation.

2.3 GRAVEL PACK: As required by site conditions. Contractor shall submit recommended gravel pack prior to installation based on characteristics of the water bearing formation.

2.4 PITLESS ADAPTER: For 6" well casing, 1.5" drop pipe, extending 18" above grade with a ventilated cap and meeting all requirements of the State of Wyoming Department of Environmental Quality. The discharge depth shall be 7 feet below grade. Manufactured by Baker, Monitor Division, Evansville, WI or approved equal.

2.5 WELL PUMP: The specific pump will be chosen based on the results of the pump test. Submersible motor shall be NEMA standard design of the completely enclosed type for continuous duty underwater operation. The motor shall be equipped with a mechanical seal which serves to exclude water from the motor. Furnish a sufficient amount of power cable of proper size to reach the motor from 10 feet above the well cap. The cable shall be UL listed for submersible pump application. Install a flow inducement sleeve meeting pump manufacturer's requirements. Renegade II series pumps by Red Jacket Pumps, Davenport, IA or approved equal.

2.6 DROP PIPE: Provide 1.5" polyethylene pipe (PE 3408) with a minimum wall thickness of 0.179-inch meeting ASTM D-2239. The pipe shall be rated at 160 P. S. I. Provide a torque arrestor immediately above the pump and along length of drop pipe as necessary. Blue Jet Highway Density Polyethylene Pipe by Endot Industries, Rockaway, NJ 07868 (800-345-3990) or approved equal.

2.7 DISCHARGE PIPE: 2" ductile iron, schedule 40, extending 5 feet from pitless adapter in direction designated by the Contracting Officer. The pipe end shall be sealed or covered to prevent foreign material or water from entering.

2.8 CASING SEAL: Provide a seal in the annular space between casing and drill hole of a flexible, non-shrinking, non-cracking material suitable for a sanitary seal of a potable water

well. The casing seal shall extend to 50 feet below grade.

2.9 DEPTH MEASUREMENT KIT: Provide a depth measurement kit consisting of a pressure gauge, air pump connection, and air line.

- a. Pressure gauge: For air line, full face, 4-1/2 inch dial, 2 percent accuracy, 0 to 50 PSI range.
- b. Air Hose connection: For air line, brass, 150 PSI, valve stem connection.
- c. Air Line: 1/4 inch flexible plastic, 100 PSI class. Furnished one continuous length from 5 feet below pump intake to well head. Provide the Contracting Officer with the elevation of the bottom of the air hose.

2.10 All clamps to be stainless steel.

PART 3: EXECUTION

3.1 SITE ACCESS: Contractor shall obtain access to the drilling site by making arrangements with the Contracting Officer no less than one week in advance of performing the work. No electrical service is available at the site. The contractor shall either furnish his own power, or make arrangements with the power company and pay all costs for temporary service.

3.2 WELL LOCATION: The selection of the exact location of the well will be at the discretion of the Government and will be chosen to meet site conditions and ease of accessibility. If, upon examination, the Contractor finds that any condition prevents properly carrying out the intent and purpose of these specifications, he shall notify the government in writing. Absence of any such notification shall constitute an acceptance of the conditions at the site.

3.3 EQUIPMENT: The Contractor shall furnish all drilling equipment, accessories, pumps, tanks, supplies, materials, tools, fuel, power generators, discharge pipe, water for drilling, and labor needed to efficiently and satisfactorily complete the work under this specification. The Contractor shall furnish equipment for measuring water levels and pumping rates during the pumping test. It shall be the responsibility of the Contractor to make his own arrangements for providing water used in connection with the drilling. No contaminated or polluted water shall be used.

3.4 SITE DAMAGE: The Contractor shall conduct the work in such a manner as to prevent damage to property, trees and vegetation. The Contractor shall remove the topsoil in the area to be used to access the site, operate the drill rig and install the well casing, pitless adapter, piping, etc. The Contractor will not drive or stockpile material and equipment in an area

prior to removing the topsoil. The Contractor shall assume all responsibility for any damages caused by operations under this contract and shall restore or replace, at his own expense, any trees or vegetation damaged during the performance of the work. The Contractor shall assume all responsibility for damage to his equipment whether from the elements or from operation under this contract. The site shall be clean upon completion of the work. All waste materials shall be removed from the Park and disposed of in an approved manner in a sanitary landfill facility.

3.5 WELL CONSTRUCTION: Approval must be obtained from the Contracting Officer before drilling shall continue beyond 100 feet. In the event that a hole has to be abandoned for any reason, as directed by the Contracting Officer, the Contractor is to remove the casing and abandon the hole. Samples of materials drilled shall be collected at intervals of every significant change in lithology from the surface to the bottom of the hole. No cuttings shall be allowed to re-enter the hole except with the prior knowledge and consent of the Contracting Officer's Representative. The driller shall keep a log recording the character, thickness, depth and drilling characteristics of materials encountered; the depth of casing; the screen size and setting; and the discharge rate and drawdown during the pumping test. A complete copy of the log shall be furnished to the Government after the work is completed. The well must be straight and plumb, complying with AWWA A-100.

3.6 WELL DEVELOPMENT AND TESTING

- a. After the installation of casing, the well shall be developed by bailing, surging and pumping for four (4) hours so as to obtain a clear, clean representative sample of the formation water.
- b. Following development of the well, the Contractor shall run a pumping test. The pump used for this test shall have a power unit that is capable of being operated without interruption for a period of four hours and a throttling device for varying discharge.
- c. The pumping rate shall be based on yield characteristics from rates used during development. The pumping rate shall be at the well's maximum capacity. Once started, the pumping must be continuous and uninterrupted. Pumping shall be at the set rate for the entire four (4) hour period unless otherwise specified by the Contracting Officer. It shall be the responsibility of the Contractor to measure and control the rate of discharge within 5 percent of the set rate. Rate of discharge can be effectively controlled by use of a metered discharge pump.
- d. Frequent accurate readings of depth to water in the well are important. The pump and pumping equipment shall not be removed during the recovery period which immediately follows the pumping test, as such removal could disturb the established measuring point or affect recovery measurements. Recovery time will be equal to or less than the pumping period.

e. The Contractor shall discharge all water pumped during the well developing and pumping test at some distance from the well so that the water will not be a source of recharge to the pumped well. This distance will be determined by the Government, but will not exceed 200 feet. Prevent discharge water from directly entering any streams. Provide silt control structures to control any silt.

f. If the pumping test is interrupted for any reason, restart the test from the beginning after water has recovered to static level.

3.7 DISINFECTION AND CHEMICAL ANALYSIS: Casing shall be swabbed to remove oil, grease, or joint dope and disinfected with chlorine solution. Minimum strength of chlorine solution shall be 100 parts per million in the entire well and shall remain in the well for a minimum period of 10 hours. A bacteriological test sample shall be submitted to a state approved laboratory. Sample must prove water meets the drinking water standards for bacteriological acceptance for the State of Wyoming.

The Contractor shall provide a complete chemical, plus nitrate, analysis of the well. The analysis shall be performed by an E.P.A. or State of Wyoming certified laboratory. A complete chemical analysis consists of both PRIMARY and SECONDARY testing groups as well as nitrate as shown below:

PRIMARY GROUP

Arsenic	Mercury
Barium	Silver
Cadmium	Fluoride
Chromium	Selenium
Lead	

SECONDARY GROUP

Alkalinity	Manganese
Bicarbonate	Magnesium
Calcium	PH
Carbonate	Potassium
Chloride	Sulfate
Hardness	Corrosivity
Iron	Zinc

PLUS Nitrate

3.8 SITE CLEAN UP: Upon completion of the work the Contractor shall remove all of his equipment, debris and waste material, fill all mud pit and clean up the work site. The topsoil shall remain as a windrow of material on the edge of the well construction area. Final topsoil placement will be done by others. The site shall be restored as nearly as possible to

its original condition.

3.9 TIME FOR COMPLETION: The installation and testing of the well shall be completed by September 20, 1996.

PART 4: MEASUREMENT AND PAYMENT

4.1 WELL WITH 6" CASING: The unit of measurement will be the actual number of feet of casing installed in place, from the bottom of the well screen to the pitless adapter. The price includes drilling, casing, drop pipe, depth measurement kit, sanitary seal, well screen, gravel pack, pitless adapter and ductile iron discharge pipe. Payment will be made at the contract unit price for WELL WITH 6" CASING.

4.2 SUBMERSIBLE PUMP: Payment will be made at the unit price for SUBMERSIBLE PUMP.

4.3 DEVELOPMENT DISINFECTION AND CHEMICAL ANALYSIS: Work under this bid item includes the development, testing, disinfection, and chemical analysis. Payment will be made at the lump sum price.

4.4 MOBILIZATION/DEMOBILIZATION: Payment will be made at the lump sum price for MOBILIZATION/DEMOBILIZATION.

1443RQ157096019

Attachment No. 2 Page 1 of 5

General Decision Number WY960001

Superseded General Decision No. WY950001

State: Wyoming

Construction Type:
HEAVY

County(ies):

ALBANY

BIG HORN

CAMPBELL

CARBON

CONVERSE

CROOK

FREMONT

GOSHEN

HOT SPRINGS

JOHNSON

LINCOLN

NIOBRARA

PARK

PLATTE

SHERIDAN

SUBLETTE

SWEETWATER

TETON

UINTA

WASHAKIE

WESTON

HEAVY CONSTRUCTION PROJECTS.

Modification Number

0

1

Publication Date

03/15/1996

04/19/1996

WY960001 - 1

04/19/1996

COUNTY(ies):

ALBANY	GOSHEN	SHERIDAN
BIG HORN	HOT SPRINGS	SUBLETTE
CAMPBELL	JOHNSON	SWEETWATER
CARBON	LINCOLN	TETON
CONVERSE	NIOBRARA	UINTA
CROOK	PARK	WASHAKIE
FREMONT	PLATTE	WESTON

* ELEC0322A 03/01/1996

	Rates	Fringes
LINEMEN	22.00	4.50+4.25%
LINE EQUIPMENT OPERATORS	18.66	4.50+4.25%
CABLE SPLICER	24.26	4.50+4.25%
GROUNDMAN	13.65	4.50+4.25%

SUWY2003A 01/10/1995

	Rates	Fringes
CARPENTERS	12.51	1.25
CEMENT FINISHERS	11.54	
FLAGGERS (Traffic Control)	8.27	
IRONWORKERS:		
Structural	14.77	3.86
Reinforcing	17.54	5.64
LABORERS (Other Than Tunnel and Underground Work)		
GROUP 1	8.42	
GROUP 2	8.52	

LABORER CLASSIFICATIONS
(Excluding Tunnel and Underground Work)

GROUP 1: Axman and Hand Faller, Bin Wall Installer Laborer, Concrete Worker (wet or dry), Concrete Worker (curing and drying), Dumpman, Erector & Installer (includes the installation and erection of fences, snow fences, guardrails, median rails, median posts, signs and right-of-way marker); Form Stripper; Form Setter Laborer (paving); General Laborer; Gunnite Laborer; Heater Tender; Landscape Laborer; Material Handler (lumber, rods, cement, concrete); Nozzleman, Air and Water; Pipe Setter Laborer (Non-metallic); Pipe Setter Laborer (Corrugated); Pre-watering, Pre-wetting and Pre-Irrigation (all work); Riprap Man; Sand-blaster Pot Tender; Signal Man, Grade Concrete, etc.; Scissor Man or Hopper Man; Stake Jumper for Equipment; Tar and Asphalt Pot Tender and Wrecking and Demolition Crew.

GROUP 2: Asphalt Raker and Tamper; Bin Wall Installer; Cement Mason Tender; Chuck Tender; Concrete Saw; Form Setter (paving); Gunnite Nozzleman; Hand Operated Vibratory Roller; High Scaler (using Air Tools from Bos'n Chair, Swing Stage Lift Belt, or Block and Tackle shall receive \$0.20 per hour more than the classified rate); Landscaper; Mortar Man on Stone Riprap; Operator of Pneumatic, Electric Gas Tamper and Similar Mechanical Tools; Pipe Setter (Corrugated, Culvert Pipe, Sectional Multi-plate and Similar Type); Pipe Setter, Pipelayer (non-metallic); Pipe Wrapper; Powderman Tender; Power-type Concrete Buggy (Push Ride); Power Saw Operator (Clearing); Vibrator-Concrete; High Scaler (using Air Tools from Bos'n Chair, Swing Stage Lift Belt, or Block and Tackle shall receive \$0.20 per hour more than the classified rate); Jackhammer and Pavement Breaker; Sandblaster Nozzleman; Sewer Pipe Installer (non-metallic), Clay Concrete, etc., (Caulker, Collarman, Jointer, Mortarman, Rigger, Jacker)

LABORERS (Tunnel and Underground Work)

GROUP 1	8.92
GROUP 2	9.17

LABORER CLASSIFICATIONS - TUNNEL AND UNDERGROUND WORK

GROUP 1: Powderman and Blaster; Wagon Drill, Air-Trac, Diamond and Other Drills for Blasting Power and Grouting.
 GROUP 2: Miner (Driller); Machine Man; Timberman; Steelman, Drill Doctor; Form Setter and Mover; Spader; Tugger; Spilling and/or Caisson Worker; Powderman; Jackhammer; Finisher.

PAINTERS:

Brush and Spray	10.39	.25
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PILOT CAR DRIVERS	8.76
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POWER EQUIPMENT OPERATORS:

GROUP 1	11.08
GROUP 2	11.73
GROUP 3	11.84
GROUP 4	11.90

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Auger machine operator (post holes, etc.), Air compressor over 315 cu. ft. cap.; Backhoe (to 1 1/2 cu. yds.), Batch bin weighman, scissorman or hopperman; Brakeman; Broom operator, self-propelled; Cableway signalman (Bellboy); Chip spreader operator; Concrete saw (self-propelled); Conveyor belt operator; Crusher oiler; Front end loader (to 1 1/2 cu. yds.); Form grader operator; Forklift and lumber stacker; Joint machine operator; Longitudinal float operator; Mixer, operator concrete

(under 1 cu. yard); Oiler, utility; Power loader, belt and bucket type; Pump operator; Roller operator, self-propelled, (pneumatic, rubber tired, sheep foot, vibratory or combination type); Screed operator; Screening plant operator; Tire repairman; Tractor operator: farm, crawler or wheel type, 60HSP (drawbar or less with or without use of power attachments., Truck crane carrier operator

GROUP 2: Air compressor two or more machines or tunnels, shafts, raises, or plant operator; Asphalt plant operators; Backhoe, 1.5 cu. yds. to 3.5 cu. yds.); Bituminous laydown machine operator; CMI machine (auto grader); Concrete batch plant; Concrete finish machine operator; Concrete Multi Blade Span Saw, Hunt Process or Similar; Concrete Spreader and Paver Operator; Crusher Operator; Drilling Machine, Integrated, Core, Rotary, Caisson, Diamond; Elevating Grader Operator; Front end Loader, 1.5 Cu. yds. to 3.5 cu. yds.); Hydro-type Crane up to 50 tons; Mixer, operator base course pugmill type I; Mixer operator concrete (over one yard); Motor patrol operator (all others, excluding finish), Mucking machine operator (all types); Mulching machine operator; Oiler (crane and shovel); Pavement breaker, hydro-tamper and similar type machines; Pumpcrete operator; Roller operators (tandem steel wheel, three axle or three wheel); Scraper equipment (all types); Scraper Equipment, all types; Scraper equipment, multiple units fifteen cents (.15) per hour additional per unit.; Shovels, draglines, cranes, piledrivers, all truck mounted cranes (Mfg. rating): Up to 3 1/2 yds., or 50 tons, all attachments; Shuttle Car Operator; Subgrade machine operator (Power) Tractor operators: Cold milling; all with use of power attachments and including pushcat, dozer, tournadozer, etc. (the use of power attachments shall not include diskings, pulling of rollers or similar unskilled actions; Trenching machine operator; Wash Plant Operator; Welder

GROUP 3: Hoist operator (two or more drums, shafts or raises); Motor patrol operator (finish); Heavy duty mechanic, machine doctor; Shovels, draglines, cranes, piledrivers, all truck Mounted cranes; (Manufacturer rating): 3 1/2 cu. yds. to 7 cu. yds. or 50 tons, all attachments Wheel Excavator Operator; Front End Loader 3.5 cu to 7 cu yds

GROUP 4: Cableway operator; Crane, 90 tons and over, (whirley, gantry, stiffleg, overhead and traveling type); Mixer Operator, (Dual Drum); Shovels, Draglines, Cranes, Piledrivers and Truck Mounted Cranes (Mfg. rating: 7 cu. yds. and over, or 90 tons and over, all attachments); Crane, 90 tons and over, (whirley, gantry, stiffleg, overhead and traveling type)

TRAFFIC CONTROL MAINTAINER

(Checking that correct location is being flagged; ensuring that barriers, cones and barrels are properly placed; turn the signs out of oncoming traffic site for the night; turn the signs to face

Pro Pump and Equipment / ADT

2621 S. Ramshorn
Laurel, MT 59044
Laurel 628-7709 • Billings 656-9684

UW 99186

MAR 08 1999



9/13/96

NATIONAL PARK SERVICE
SUPPLY CENTER
MAMMOTH HOT SPRINGS
YELLOWSTONE NATIONAL PARK, WY. 82190

RE: TEST PUMPING RESULTS
PUMP INSTALLATION

ATTN: NANCY WARD



PAGE 2

AT THE CONCLUSION OF TEST PUMPING AND RECOVERY, A CHLORINE SOLUTION IN EXCESS OF 100 PPM WAS INTRODUCED INTO THE WELL AND CIRCULATED. THE FOLLOWING DAY THE PUMP WAS RUN TO CLEAR THE WELL AND WATER SAMPLES WERE TAKEN. THE TEST PUMP WAS REMOVED FROM THE WELL AND THE CASING WAS CUT OFF 18" AGL. THE GRUNDFOS MODEL # 16S05 INSTALLED WITH 1.5" S.80 THREADED DROP PIPE, #12/3 W/GRD. SUBMERSIBLE PUMP CABLE, S-6 SANITARY WELL CAP. THE PITPLESS ADAPT. IS AT 7' BGS., AND THE PUMP IS 69' BELOW THE PITPLESS. THE DRAWDOWN GAGE TUBING IS 5' BELOW THE PUMP AT 74'.

WATER TEST RESULTS FROM AMETEC LABS TO FOLLOW.

THANK YOU,

ALLAN L. HICKS,
PRESIDENT

Other Supporting Information



United States Department of the Interior

NATIONAL PARK SERVICE

PO Box 168
Yellowstone National Park
Wyoming 82190

IN REPLY REFER TO:

April 26, 2002

Jeffrey C. Hughes
National Park Service, Water Resources Division
1201 Oakridge Dr., Suite 250
Fort Collins, CO 80525

Attention: Jeffrey C. Hughes

Reference: **East Entrance #1 Water Well Document File.**

Per your request, enclosed are copies of our file documents regarding Yellowstone's new water well at the East Entrance.

Sincerely,

Thomas A. McKenna
Construction Engineer

Enclosure

East Entrance #1 Water Well File Chronology of Documents.

(Permit No. U.W. 99188)

April 26, 1995 - Application For Permit To Appropriate Ground Water to the WY State Engineer.
May 18, 1995 - Application To Appropriate Ground Water approved by the State Engineer.
May 22, 1995 - Permit conveyed to the park with water usage to be by December 31, 1996.

July 31, 1996 - Pro Pump & Equipment, Inc. signs RFQ to construct water well.
September 12, 1996 - Well Log Report by Pro Pump & Equipment, Inc.
September 13, 1996 - Pump Test Report by Pro Pump & Equipment, Inc.
September 15, 1996 - Water Bacteriological Exam report from AMTEC.
September 26, 1996 - Water Laboratory Report from AMTEC.
September 30, 1996 - Notification that permit will expire on December 31, 1996.
October 7, 1996 - Second notification that permit will expire on December 31, 1996.
October 24, 1996 - NPS request for permit extension until December 31, 1997.
November 25, 1996 - Permit extended until December 31, 1997 by State Engineer.

September 30, 1997 - Notification that permit will expire on December 31, 1997.
October 8, 1997 - NPS request for permit extension until September 30, 1998.

September 30, 1998 - Notification that permit will expire on December 31, 1998.
December 14, 1998 - NPS water well completion & beneficial use statements.
December 30, 1998 - Request for revised map-work the for water appropriation.

January 22, 1999 - Revised NPS map to accompany proof of appropriation.
August 11, 1999 - Field Inspection of well & facilities by State Engineer, 2/1/01 memo.

February 1, 2001 - Proof of Appropriation documents for NPS signature.
October 22, 2001 - Notification that NPS signatures can not be read.
October 29, 2001 - Clarification of NPS signatures.

Total of 21 Documents.



Jeff Hughes

04/09/02 03:54 PM
MDT

To: Tim Hudson/YELL/NPS@NPS
cc: Dan McGlothlin/FTCOLLINS/NPS@NPS, Jeff
Albright/FTCOLLINS/NPS@NPS
Subject: Copy of Correspondence for East Entrance well

Tim,

Thank you for calling me back today!

As we discussed, could you provide me with a copy of the correspondence you have had with the State of Wyoming concerning the application for the certificate for the East Entrance well located in the Middle Creek drainage? We will create a docket for this water right and keep it in this office. We are pretty much interested in the entire file, including maps and the original application. Please let me know if this will be too burdensome for you or your staff. Our staff travels to YELL a few times a year and we could stop by a make the copies during those times.

Please send the information to me at the address listed below. Please call if you have any questions.

Thanks!

Jeff

Jeffrey C. Hughes, Hydrologist
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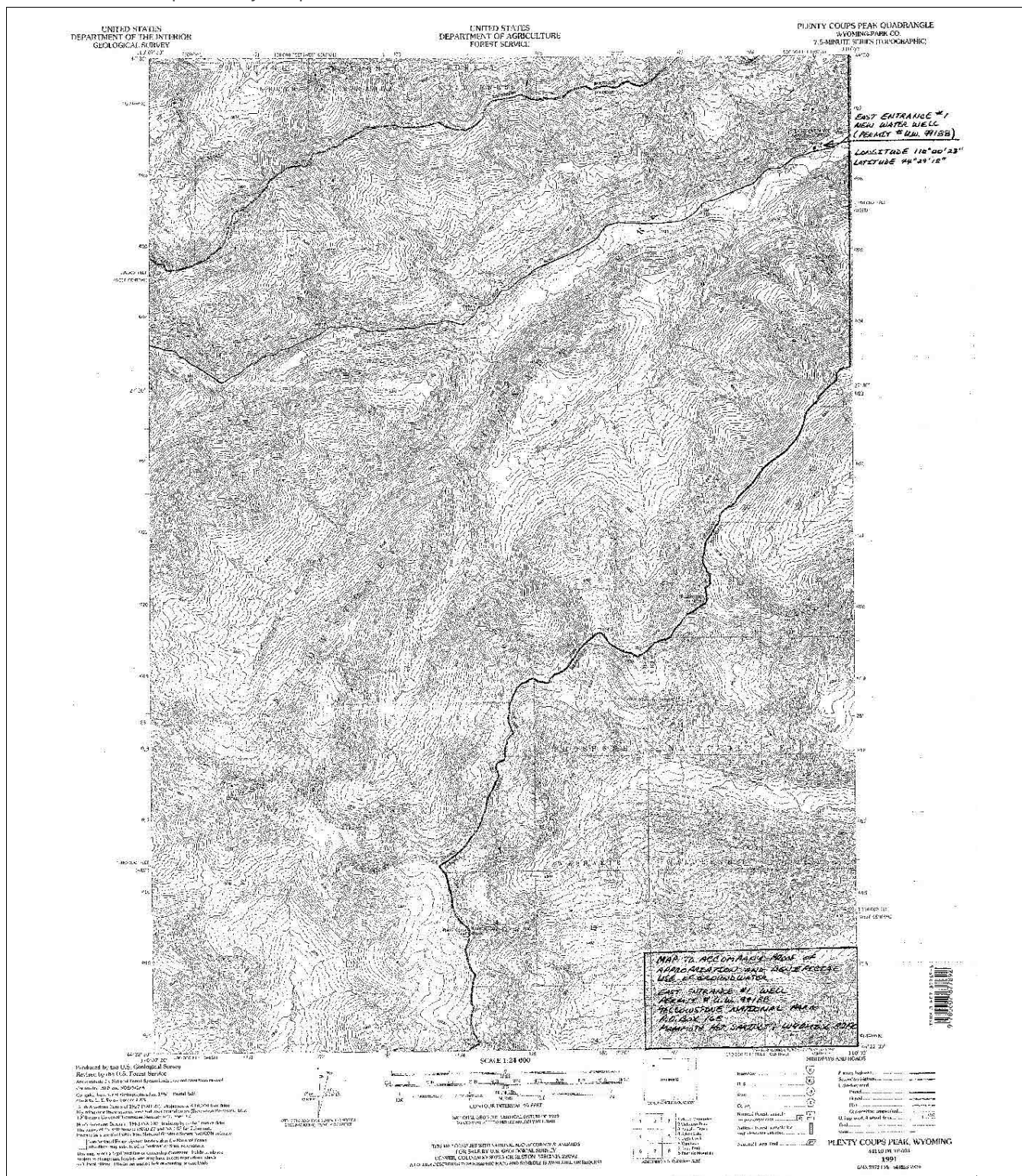
Tom -

CAN YOU GET THIS
PACKAGE TOGETHER FOR
HIM -

THANKS

Tim

Maps and Miscellaneous Information



Docket Information

Number of Documents in Docket 69

Documents Dated from to

Docket Compiled: 6/25/2012