



WATER-RIGHT DOCKET

Scotts Bluff National Monument

Docket No: 1

HEADQUARTERS WATER SYSTEM

Preliminary Docket Information

00-00-0000: water docket information

WATER DOCKET INFORMATION

AREA SCOTTS BLUFF N. M.

DOCKET NO. 1

APPLICATION NO. _____

PERMIT NO. _____

CERTIFICATE NO. _____

TITLE OF DOCKET _____

PRIORITY _____

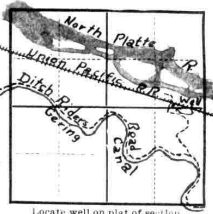
REMARKS: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL

No. 2

1. Location: State Nebraska County Scotts Bluff
Nearest P. O. Gering Direction from P. O. Northwest
SE $\frac{1}{4}$, NE $\frac{1}{4}$ sec. 28, T. 22 N., R. 55 W.



Locate well on plat of section

2. Owner: National Park Service Address Gering, Nebraska
Driller: United States Army Address _____
Site selected by: National Park Service Address Gering, Nebraska
3. Situation: Is well on upland, in valley, or on hillside? Hillside
4. Type of well: Drilled; kind of drilling rig used _____
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
5. Depth of well: 40 ft.; year in which well was finished 1935
Does well enter rock? No; if so, at what depth? _____ ft.; kind of rock _____
6. Depth to water: 38 ft.; Amount water rose above level where first struck 20 ft.
7. Diameter: At top 6 inches; at bottom _____ inches.
8. Principal water bed: Gravel
(Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed 38 ft.; thickness of bed _____ ft.
If other water supplies were found, give depth to each _____
9. Casings: Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
- Packers (if any): Depth at which packers were used _____; kind _____
- Screen or Strainer: Was well finished with screen or perforated pipe? _____; kind of screen _____;
length of screen _____ ft.; diameter _____ inches; size of openings _____
perforated pipe; size of perforations _____; How were perforations made: burned, drilled? _____
10. Head: Does well at present overflow without pumping? No; did it overflow when new? No
11. Pump: Is the well pumped? Yes; kind of pump Perless Model QDA - 10 H.P. Elec. Motor
size or capacity of pump 2 1/2" dia. 27 stroke turbine; kind of power gasoline powered
12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
well has been pumped at _____ gallons per minute continuously for _____ hours;
quantity of water ordinarily obtained from well 27 gallons per minute
13. Use: For what purpose is the water used? Household and drinking
14. Quality of the water: Hard; is there an analysis? Yes
(Hard or soft, fresh or salty, etc.)

Name of person filling blank _____

Robert R. Sudlong
Robert R. Sudlong

Date August 17, 1948

Address Gering, Nebraska

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

8620

1

Irr. 57-1

Registration No. _____ County of _____ Date Filed _____

STATE OF NEBRASKA
IRRIGATION WELL REGISTRATION

*Corrected hereon from sub. memo 1/21/58
This submitted to Reg. Office by 12/31/58 memo for Dept. 4/17/60*

I, **Superintendent** of **Scotts Bluff National Monument**
(Name of Person registering well) (Postoffice Address)
P.O. Box 136 Gering

County of **Scotts Bluff** State of **Nebraska**, being first duly sworn upon my oath say:

1st. That the name of the owner of the land upon which the irrigation well is located is **United States Government** of **Scotts Bluff Nat. Mon.** Street, **Gering** County of **Scotts Bluff** State of **Nebraska**
(City or Village)

2nd. That the irrigation well is located on the **SE** Quarter of the **NE** Quarter of Section **28** Township **22 N**, Range **55 W** of the Sixth P. M., **Scotts Bluff** County, and is **1,248** feet from the **east** line and **660** feet from the **south** line of said tract.

3rd. That the well was installed with the intention of irrigating all or parts of the following described land: **NE 1/4, Sec. 4, T21 N, R55 W. and for Domestic and Fire Protection Uses.**
(Give Quarter, Section, Township and Range)

amounting in all to approximately **five** acres.

(If installation consists of a battery of wells with one outlet, give details on a sheet to be attached hereto.)

4th. That the capacity of said well under normal operating conditions is **25** gallons per minute.

5th. That the depth of the well is **40** feet, measured from the surface of the ground.

6th. That the inside diameter of the casing is **six** inches.

7th. That the static water level in the well is **46** feet below ground surface.

8th. That the depth to water under normal pumping conditions is **47** feet below ground surface.
(Pumping Level)

9th. That the diameter of the pump column is **2 1/2** inches. That the diameter of the **23** bowl or bowls is **4** inches.
(Give number of bowls)

10th. That the type and size of impeller is as follows:
4 L A This is a Peerless, Model 8DA, 27 stage turbine unit fitted with a U. S. Motors 60 Cy, 3 Ph, 220-440 volt, 10 HP electric motor. Bowl No. V3019E, impeller No. V3021A-2.

11th. That the well was completed on or about the **—** day of **February**, 19 **35**.

Irr. 87-2
Revised 11-27-57

1

12th. That attached hereto are three copies of the log of the well certified to by the driller of the well.

13th. That the relation which the subscriber to this affidavit bears to said registrant is that of

Superintendent, Scotts Bluff National Monument

(State whether owner, tenant or agent for land on which well is located)

and that he is authorized to make this affidavit in behalf of the interest affected.

(SGD) JOHN W. MENNEBERGER

STATE OF Nebraska }
Scotts Bluff County } ss.

I hereby certify that the foregoing was signed in my presence and sworn to before me this 31 day
of December, 19 58.

(SGD) Catherine Ulrich

Notary Public

State of Nebraska }
Department of Water Resources } ss.

This instrument was filed for record at o'clock.....M., on the.....day of.....19.....

Director of Water Resources

Irr. 57-3

1

Registration No. County of Date Filed

STATE OF NEBRASKA
CERTIFICATE OF WELL DRILLER*Submitted by letter
in 10/31/60 memo*I, United States Army of Scotts Bluff National Monument
(Name of Driller) of P.O. Box 136, Gering
(Postoffice Address)County of Scotts Bluff State of Nebraska, do hereby certify that:1. I am the driller of an irrigation well located on the SE 1/4 NE 1/4 Quarter, Section No. 28
Township 22 North, Range 55 W, owned by United States Government, Dept. of Interior,
National Park Service, Scotts Bluff National Monumentwhose postoffice address is Box 136, Gering State of Nebraska2. That the drilling was begun on the — day of February, 1935, and completed on
the — day of February, 1935.3. That the well is cased and screened in the following manner: 18 ft., 6 1/2" steel casing.
(Give kind of casing, lengths and position of plain and
screen casing, weight of metallic casing, etc.)4. That the diameter of drilled hole is 6 1/2 inches.5. That Unknown type of drilling machinery was used.6. That the drilled hole is/is not sealed, as follows: Sealed. Grouted pump base.7. That the following is an accurate log of the depth, thickness and character of the different strata
penetrated, and the location of water-bearing strata:DEPTH IN FEET
FROM TO

MATERIAL DRILLED

This well was drilled in February, 1935, by the Civilian Conservation
Corps under the direction of the United States Army. Information is
not available on the drilling machinery used, screening, or depth,
thickness and character of the strata penetrated.Date Signed December 31, 1958Superintendent

(If more space is required please use reverse side of this page.)

August 1958

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

REGISTRATION OF IRRIGATION WELLS

The forms for registering irrigation wells are in conformity with the provisions of Sections 46-601 to 46-607, inclusive, R.S. Supp. 1957, which provide (1) that each irrigation well drilled after September 20, 1957, shall be registered within 15 days after its completion and, (2) all existing irrigation wells not heretofore registered in this department shall be registered on or before January 1, 1959. Irrigation wells which have previously been registered in this department need not be registered again. An irrigation well is "completed" when the pump has been installed and tested.

The form "Irrigation Well Registration" should be filled out in duplicate, sheets numbered 1 being the original and sheets numbered 2 being the copy. Send both original and copy to the Department of Water Resources. The original will be kept in the office of the department and the copy will be forwarded to the office of the Soil Conservation District of the county in which the well is located.

In completing item 10 of the well registration form, please give the name of the pump manufacturer, the bowl number and the impeller number.

The form entitled, "Certificate of Well Driller" is to be filled out in triplicate, sheets numbered 1 being the original and sheets numbered 2 and 3 being copies. If the driller of an old well cannot be contacted, the well owner may complete the certificate, if he has the information. The completed Well Driller's Certificate is required for a new well. The original will be kept in the office of the Department; copy 2 will be forwarded to the office of the Soil Conservation District for the county; and copy 3 will be forwarded to the Conservation and Survey Division, University of Nebraska.

The fee for registering each irrigation well, including the Well Driller's Certificate, is \$7.50, payable at the time the registration is submitted. Make check payable to the Department of Water Resources.

Upon receipt of the well registration the department will show on it the date of filing. A letter acknowledging receipt of the registration and enclosing a receipt for the fee will be mailed to the well owner. Said letter and receipt should be placed where it will not be lost as it will be the only record the owner will have of the registration.

Register only one well on each form. Be sure to sign both copies of the registration before a Notary Public.

MAIL ALL COPIES OF REGISTRATION AND WELL DRILLER'S CERTIFICATE TO
DEPARTMENT OF WATER RESOURCES, ROOM 1202, CAPITOL BUILDING, LINCOLN
NEBRASKA.

ENVIRONMENTAL CONSULTANTS, INC.

391 NEWMAN AVE. • P. O. BOX 2037 • CLARKSVILLE, INDIANA 47130 • TEL. (812) 282-8481

From - U.S. Department of the Interior
National Park Service
Superintendent
Post Office Box 427
Scotts Bluff National Monument
Gering, Nebraska 69341

Date- 17 March 1975

E.C.I. #3784

Sample Description -

Scotts Bluff National Monument

P. O. No. - PX 6710-5-0007**Job No. -** 7416-02

Alkyl benzene sulfonates (ABS)	<u><0.005</u> mg/l	Lead (Pb)	<u><0.030</u> mg/l
Arsenic (As)	<u>0.009</u> mg/l	Manganese (Mn)	<u><0.008</u> mg/l
Barium (Ba)	<u><0.030</u> mg/l	Mercury (Hg)	<u><0.001</u> mg/l
Cadmium (Cd)	<u><0.002</u> mg/l	Nitrate (NO ₃ ⁻)	<u>19.38</u> mg/l
Chloride (Cl ⁻)	<u>3.40</u> mg/l	Phenols (Phenols)	<u><0.001</u> mg/l
Chromium, hexavalent (Cr ⁺⁶)	<u><0.005</u> mg/l	Selenium (Se)	<u><0.01</u> mg/l
Copper (Cu)	<u><0.005</u> mg/l	Silver (Ag)	<u><0.002</u> mg/l
Cyanide (Cn ⁻)	<u><0.002</u> mg/l	Sulfate (SO ₄ ⁼)	<u>11.00</u> mg/l
Fluoride (F ⁻)	<u>0.02</u> mg/l	Total dissolved solids (TDS)	<u>242</u> mg/l
Iron (Fe)	<u><0.010</u> mg/l	Zinc (Zn)	<u>0.216</u> mg/l

Remarks:

Analyses Reviewed By





REPORT ON SURVEY OF ENVIRONMENTAL HEALTH FACILITIES
SCOTTS BLUFF NATIONAL MONUMENT, NEBRASKA

NOVEMBER 1974

By
Bert W. Mitchell
National Park Service Consultant
U.S. Public Health Service
655 Parfet Street
P.O. Box 25287
Denver, Colorado 80225

REPORT ON SURVEY OF ENVIRONMENTAL HEALTH FACILITIES
SCOTTS BLUFF NATIONAL MONUMENT, NEBRASKA

NOVEMBER 1974

By
Bert W. Mitchell
National Park Service Consultant
U.S. Public Health Service
655 Parfet Street
P.O. Box 25287
Denver, Colorado 80225

A survey of the environmental health facilities at Scotts Bluff National Monument, Nebraska, was made on November 8, 1974. Mr. Donald R. Harper, Superintendent, Mr. Allan Haeker, Chief Ranger and Mr. Bob Hamann, Maintenance Supervisor, assisted in performing the inspections.

WATER SUPPLY

Water for the Monument is supplied by a 120-foot deep drilled well located approximately two miles north of the Headquarters. This location is about 1/4-mile from the North Platte River and immediately south of the Burlington Northern Railway. The well is cased with a 6-inch steel casing and housed in an approved structure with concrete floors. Chlorination is provided by a gas chlorinator, Advance Model 201, capable of delivering 6 pounds in 24 hours. Because of static pressures, chlorine gas is applied directly to the well when the pump is actuated. A Peerless vertical turbine pump powered by a 10-hp U.S. Motor pumps water to the Headquarters Area. A 5,000-gallon and a 25,000-gallon concrete reservoir in parallel "ride" on the system. They are located 1/2-mile north of the Headquarters Area. Ordinarily, the 5,000-gallon reservoir is kept full and valved off as a reserve for fire protection. This reservoir was recently discovered to be leaking about 50 percent of its capacity in a 24-hour period. Repair of this small reservoir could be accomplished by application of epoxy moldings or coal tar derivatives to seal off the affected areas. However, it is our opinion that the 25,000-gallon reservoir provides adequate storage for both culinary and fire purposes.

Bacteriological sampling and analysis is adequate and current to date. A sample of water for complete chemical analysis was collected and submitted in October, 1974.

We were not able to locate an approved chlorine gas mask either at the well or in the Headquarters Area. Approved masks should be provided at the point of chlorine application so that proper protection can be afforded to personnel who may have to repair leaks and change cylinders in this area.

Recommendations:

1. We do not deem it necessary to repair the 5,000-gallon storage reservoir.
2. Provide an approved gas mask at the well head.

SEWAGE DISPOSAL

All sewage from the Headquarters Area is discharged to a septic tank and absorption field located about 100 feet east of the eastern corner of the amphitheater. The system consists of a 6,000-gallon concrete, dual-chamber septic tank which discharges through a manifold system to six 100-foot-long standard absorption trenches. This system was inspected and appeared to be operating satisfactorily. The present system receives wastes from two residences, the office building and the comfort station. Each residence also has a garbage grinder which discharges to the septic system.

We wish to commend the Staff for proper maintenance of the area overlying the absorption trenches.

Additional land area has been acquired by the Monument in 1973. It includes a new residence (#11) and club house, utility buildings and portions of the existing Gering, Nebraska, golf course. Residence #11 has a septic tank which is located at the southeast corner of the house (size unknown) followed by 300 feet of absorption field located approximately 250 feet east of the residence. This system appeared to be operating satisfactorily.

Recommendations:

1. Determine size and construction features of the septic tank at Residence #11. (Sketch of system attached)



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Region Two Office
307 Federal Office Building
Omaha 2, Nebraska

IN REPLY REFER TO:

L 54

ADDRESS REPLY TO:
REGIONAL DIRECTOR, REGION TWO
NATIONAL PARK SERVICE

JUN 5 1959

Memorandum

To: Chief, Western Office, Division of Design and Construction

From: Hydraulic Engineer, Region Two

Subject: Pump Capacities as shown on "Well Pump Data Chart"

Attached are copies of subject data supplied to us by the Superintendents for their respective areas. We have filed a copy in the area files; and by memorandum of May 22, 1959, the Washington Office recommended that we supply copies for the proper areas for EODC and WODC. Copies were forwarded to the Washington Office with our memorandum of April 22. Information on the pumps was not available in all areas due to weather conditions, etc. As we receive additional reports, we will forward copies to your office. Presently we are forwarding reports from the following areas:

Badlands National Monument
Custer Battlefield National Monument
Devils Tower National Monument
Dinosaur National Monument
Fort Laramie National Monument
Glacier National Park
Grand Teton National Park
Homestead National Monument
Mount Rushmore National Memorial
Rocky Mountain National Park and
Shadow Mountain National Recreational Area
Scotts Bluff National Monument
Theodore Roosevelt National Memorial Park
Wind Cave National Park
Yellowstone National Park

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
JUN 3 1959A.M.	
CHIEF	
ADMIN. ASST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	WJL/10
LAND. ARCH.	
ACTION TAKEN DATE	

William A. Mott
William A. Mott
Hydraulic Engineer

In duplicate

Attachments

Copy to: Director (2)

FORM 2-19-59

REGION TWO OFFICE

WELL PUMP DATA CHART

Date February 24, 1959 Sheet 1 of 1
PARK OR MONUMENT Scotts Bluff National Monument

NAME OF SUPPLY, and LOCATION by NO ACRE DIVISION of Sec., Twp. & Rge.	P U M P U N I T				P U M P P O W E R			
	MAKE	SERIAL NUMBER	TYPE - PISTON TURBINE, ETC.	CAPACITY - GPM DESIGN ACTUAL	HEAD - FEET DESIGN ACTUAL	DIA.-INCHES INPAKE OUTLET	KIND ELEC-GAS	HP Operating RPM
Well No. 2, SPRING, sec. 28, T22N, Range 55 West, 67W	Peerless Mod. 8DA	2607817	27 Stage Turbine Unit	25 29	575 475	3/4" 3"	Elec.	10 3600

FORM 2-19-59

REGION TWO OFFICE

WELL PUMP DATA

Date

February 24, 1959 Sheet 1 of 1

Scotts Bluff National Monument

NAME OF SUPPLY, and LOCATION by
40 ACRE DIVISION of Sec. 4 Twp. 6 N. & Rce.
Well No. 2. SE 1/4 Sec. 28, T22 N,
Range 55 W, 6th Principal Meridian.

MAKE
Peerless
Mod. 80A

SERIAL
2607817

TYPE
27 stage turbine
unit

PUMP
CAPACITY
GPM
DESIGN ACTUAL
25 29

HEAD
FEET
DESIGN ACTUAL
575 475

DIA. - INCHES
3/4"

WAKE OUTLET
2"

ELECTRICAL
Electric

HP
10

SCN E R
Operating
RPM
3600

Form 16-174
(REV. 8-56)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION Two	AREA Scotts Bluff National Monument	COUNTY Scotts Bluff	STATE Nebraska
PROJECT OR JOB TITLE Electrifying and Improvement of Water Supply System		PCP NO. U-11	
LOCATION IN AREA <i>See "Records" of Well #2</i> Northwest corner of Monument, along North Platte River		MASTER PLAN NO. NM-SB-4960-E	BUILDING NO. 9
WORKING DRAWING NO. AND TITLE NM-SB-3105, Pump Electrification		WORK ORDER NO. 332.2	
APPROPRIATION TITLE AND SYMBOL <i>dated Aug 17, 1948</i> LX1035		DATE WORK COMPLETED Sept. 23, 1957 ✓	
CONTRACT NO. 14-10-232-209		DATE WORK STARTED June 1, 1957	
NAME OF CONTRACTOR I. H. Peters		ADDRESS Alliance, Nebraska	

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
Electrification and improvement of existing water supply system, including furnishing and installation of new water pump, electric motor, electric heater, interior electrical system with service connections, automatic controls and plumbing complete, as shown and specified.	1	\$2,445	\$2,445
Facilitating Services			24.45
COST AGREE WITH FFO RECORDS <i>C. D. Van Kirk</i> C. D. VAN KIRK, SUPERVISORY ACCT. REGION TWO OFFICE FFO DATE FEB 18 1958			TOTAL 2,469.45 ~~\$2,445~~

Costs verified by: _____

SUMMARY OF EXPENDITURES

PERSONAL SERVICES	EQUIPMENT	MATERIALS AND SUPPLIES
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OTHER

Facilitating Services - 24.45

CHANGE ORDERS			
ORIGINAL CONTRACT AMOUNT \$2,445	FIRST (no cost change) June 19, 1957	SECOND (no cost change) Sept. 18, 1957	THIRD
FINAL CONTRACT AMOUNT \$2,445	FOURTH	FIFTH	SIXTH

THIS PROJECT OR JOB HAS BEEN COMPLETED IN ACCORDANCE WITH
APPROVED DRAWINGS, SPECIFICATIONS, AUTHORIZED CHANGES

SUBMITTED BY (Name and title) <i>Wm S. Rosenberg</i> William S. Rosenberg, Project Supervisor, NSDC	DATE January 24, 1958
APPROVED BY (Name and title) <i>John W. Henneliger</i> Superintendent, Scotts Bluff National Monument	DATE FEB 3 1958

(ATTACH NARRATIVE STATEMENT, PHOTOGRAPHS, AND "AS BUILT" DRAWINGS TO THIS FORM)

Scotts Bluff

Narrative Statement

Bids were opened on May 15, 1957, in the Region Two Office. Four bids were received with I. H. Peters of Alliance, Nebraska, the low bidder at \$2,445.

Power line installation was completed to the site on July 9, 1957, by the Consumers Public Power District.

A test of the installation, conducted by Engineer Norman W. Adams, WODC, on July 25, 1957, gave the following results:

Pump delivered 29 g.p.m. @ 474 ft. head

Pump delivered 36 g.p.m. @ 400 ft. head.

Requirements stated in the specifications show the pump to deliver 25 g.p.m. @ 500 ft. head.

. . . R E P O R T O F T E L E P H O N E C O N V E R S A T I O N

DATE: January 24, 1997 TIME: 10:30 a.m.
PROJECT: SCBL Draft GMP

NPS PERSON ON CALL: Alice E. Johns

[] I RECEIVED A CALL FROM [x] I CALLED

PERSON: Bob Hamann, Facility Manager
ORGANIZATION: SCBL
ADDRESS:

TELEPHONE: 308-436-4340

DISCUSSION: I asked about the Monument's water supply. He reported that SCBL is connected to the City of Gehring water supply.

I asked about a well at SCBL that used to supply the Monument. He said the well has been capped and covered. A concrete plug extends down about 4-6 feet. Pump house and pumps that connected to the well are gone. There are no plans to use this well in the future.

With respect to parcels that would be purchased, there was no discussion about a water supply that he was aware of. Nor did they did not talk about putting in chemical/vault toilets. Doubt there would be any water.

ACTION TO BE TAKEN:

COPIES TO: SCBL Docket 1

May 12, 1959

154-CBL

WESTERN OFFICE DESIGN & CONSTRUCTION	
MAY 13 1959 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	
LAND ARCH.	
RECORDS	
ACTION TAKEN - DATE	

W. H. H. 5-22

Memorandum

To: Regional Director, Region Two

From: Chief, Water Resources Section

Subject: Registration of Water Well No. 2, Docket 1, Scotts Bluff

Attached are the (1) Certificate of Well Driller; (2) Irrigation Well Registration; and (3) State Instructions of August 1958 for Registration of Irrigation Wells. The memorandum of March 26 from Mr. Mott indicates that they are your only copies, so we have made duplicates for our docket assembly and that of WODC.

We are also making more permanent copies of the memorandum of January 21 from Mr. Henneberger for the dockets of WODC and this office, and you and the Superintendent should file durable copies in your dockets. The information on well levels is of permanent value.

Mr. Mott may have sent copies of his memorandum and part of the attachments to WODC, but neither he nor the Superintendent indicate such distribution. WODC should receive copies of all correspondence relating to water resources and rights, and the distribution should be indicated so that we all know it has been made. WODC has requested copies in duplicate, which we provide when practical, except that no office has but one docket, but so many copies of water right correspondence are frequently needed for NPS, State, Solicitor and Department of Justice, that they will have to make their own second copies when it is not provided by the sender.

I am making none of the changes in Record of Well 2, which are suggested in Mr. Henneberger's memorandum. It should be left as prepared in 1948, and I have a photostat negative from which to supply other copies of the original if necessary.

The following comments relating to the certificate of well driller are for future cases. I should not revise the one filed in December unless the State requests clarification. The comments on Irrigation Well Registration are such that revised registration might be desirable.

Certificate of Well Driller

1. Please confirm that Mr. Henneberger signed as Superintendent on December 31, 1958, and that the certificate was mailed about that date.
2. Since the Superintendent is not a representative of the Army, and the Commanding Officer of CCC camp is not available, the name of driller would be more consistent as the United States of America, by Superintendent, Scotts Bluff, on first line.
3. For further consistency, the statement under "Material Drilled" should indicate that well was drilled in February 1935 by Civilian Conservation Corps, whose records are not readily accessible. (The CCC camps were under joint supervision of Army and NPS personnel, and the then Superintendent should be listed if the Camp Commander is listed.)

Irrigation Well Registration

1. This instrument should be as filed with State.
2. I assume that hand lettered changes, in red, were made on NPS copies by Superintendent and Mr. Mott, after the original was filed, and that is why filing of corrected registration is suggested by Mr. Mott.
3. If last "assumption" is correct, the following statement should be confirmed and typed at the bottom of page, on copies in all dockets:

The date - "Hand lettered changes made by Superintendent on January 21, 1959, from supplemental data".

Record of Well 2

1. Changes should have been by hand, with foot note similar to above. I suggest my supplying copies as of 1948, and the preparation of Revised Record if desired, but would prefer to cross reference later records.

Water System Record

1. We do not seem to have received any "water system records" for any area. I do not think we wish to maintain those records in our crowded files. However, we do want a revision of the lists of water system which I compiled and distributed as part of my 1955 MISSION 66 estimates.

The record of well is dated 1948 and records the Myers pump of unspecified capacity. The Irrigation Well Registration is dated December 1958 and gives the Peerless pump. I should add to item 10 of latter: ", which replaced Myers Pump in 1957".

The 1935 report in Mr. Henneberger's memorandum is that more than 40,000 gpd, or 27.78 gpm were found by pump test, and item 4 of "Irrigation Well Registration" indicates well capacity of 25 gpm. The Well Pump Data chart of February 24 indicates that Peerless pump was designed for 25 gpm capacity, and has capacity of 29 gpm under installed conditions. I do not think we have well capacity, and the meaning of 25 gpm should be qualified in "Irrigation Well Registration", if it is rewritten. Incidentally, is it true that no capacity of Myers Pump was determined between 1948 and 1957?

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachments

Copy to: Superintendent, Scotts Bluff
Chief, WODC (2), w/c attachments

COPY

154

UNITED STATES
DEPARTMENT OF THE INTERIOR
National Park Service
Scotts Bluff National Monument
Gering, Nebraska

January 21, 1959

Memorandum

To: Regional Director, Region Two
Attention: Hydraulic Engineer

From: Superintendent, Scotts Bluff National Monument

Subject: Water Docket No. 1, Scotts Bluff National Monument

We will clarify and correct the discrepancies mentioned in your letter of January 16, 1959.

Item No. 10 of the Well Registration Form shows the registration of a Peerless Pump Model 8DA, 27 stage turbine, as this pump replaced the Meyers 4 x 6 heavy duty pump in 1957. We had neglected to make this correction on the Record of Well No. 2, and have now done so.

A review of the old records on Well No. 2 shows only three references to water depth which are as follows:

In February, 1935, when the well was drilled: "Water was encountered at about 40 feet; and rose to within 18 feet of the surface. Tests so far indicate a large flow of fine water exceeding a capacity of 40,000 gallons per day from a six inch hole, without lowering the supply."

In 1937, there is a reference to the water level immediately returning to the original level after 5 hours of pumping. The water level then is placed at 7 feet from the surface.

A telegram to WODC in February, 1957, places the standing water level at 16 feet, 5 inches below top of casing. Water level when pumping is placed at 17 feet, 6 inches below top of casing. Top of casing is four inches above concrete floor.

This is all the information we can find on water levels in Well No. 2. From this information we have made the following corrections on our records:

Record of Well No. 2

Item 6. Record of Well No. 2 - Amount water rose above level

where first struck 20 ft. (We will accept the Depth to Water at 38 feet.)

Item 11. Record of Well No. 2 - Kind of pump Peerless Pump Model 8DA, 10 HP electric motor. Size or capacity of pump 2½ inch diameter, 27 stage turbine. Kind of power electricity.

Item 14. Quality of water: Hard. Is there an analysis. Yes.

Water System Record

II. h. Remarks: Well No. 2 registered with State of Nebraska on December 31, 1958.

III b. 2. Depth of Water 24 feet. Water Surface below ground 38 feet.

Well Registration Form

7.th. Static water level 16 feet.

8.th. Pumping level 17 feet.

We hope these changes are correct from the data I noted; if not please inform us. I regret not digging out this information prior to my registering the well with the State of Nebraska, but I wanted to beat the end of the year registration deadline.

/s/ John W. Henneberger

John W. Henneberger
Superintendent



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

L 54

1959 MAR 20 AM 10 34 307

ADDRESS REPLY TO:
REGIONAL DIRECTOR, REGION TWO
NATIONAL PARK SERVICE

Region Two Office
Federal Office Building
Omaha 2, Nebraska

MAR 26 1959

D. E. Lee

19

Memorandum

To: Director
From: Hydraulic Engineer, Region Two
Subject: Registration of Water Well No. 2, Docket No. 1,
Scotts Bluff National Monument

Attached is our copy of Well Registration for Well No. 2,
also Certificate of Well Driller, submitted to this office by Mr.
Henneberger with his memorandum of December 31, 1958.

We requested the superintendent by memorandum of January
16, 1959 to clarify some data in the Record of Well No. 2. In
accordance with Mr. Henneberger's memorandum of January 21, 1959,
copy attached, we have made the corrections and additions in red on
the Well Registration Form and our Record of Well.

We believe the Superintendent should prepare and file with
the State Department of Water Resources a corrected Registration
Form; and, supply copies of each document for distribution to the
four Docket Files.

William A. Mott

William A. Mott
Hydraulic Engineer

In duplicate

Attachments B,

SCBL

August 1958

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

REGISTRATION OF IRRIGATION WELLS

The forms for registering irrigation wells are in conformity with the provisions of Sections 46-601 to 46-607, inclusive, R.S. Supp. 1957, which provide (1) that each irrigation well drilled after September 20, 1957, shall be registered within 15 days after its completion and, (2) all existing irrigation wells not heretofore registered in this department shall be registered on or before January 1, 1959. Irrigation wells which have previously been registered in this department need not be registered again. An irrigation well is "completed" when the pump has been installed and tested.

The form "Irrigation Well Registration" should be filled out in duplicate, sheets numbered 1 being the original and sheets numbered 2 being the copy. Send both original and copy to the Department of Water Resources. The original will be kept in the office of the department and the copy will be forwarded to the office of the Soil Conservation District of the county in which the well is located.

In completing item 10 of the well registration form, please give the name of the pump manufacturer, the bowl number and the impeller number.

The form entitled, "Certificate of Well Driller" is to be filled out in triplicate, sheets numbered 1 being the original and sheets numbered 2 and 3 being copies. If the driller of an old well cannot be contacted, the well owner may complete the certificate, if he has the information. The completed Well Driller's Certificate is required for a new well. The original will be kept in the office of the Department; copy 2 will be forwarded to the office of the Soil Conservation District for the county; and copy 3 will be forwarded to the Conservation and Survey Division, University of Nebraska.

The fee for registering each irrigation well, including the Well Driller's Certificate, is \$7.50, payable at the time the registration is submitted. Make check payable to the Department of Water Resources.

Upon receipt of the well registration the department will show on it the date of filing. A letter acknowledging receipt of the registration and enclosing a receipt for the fee will be mailed to the well owner. Said letter and receipt should be placed where it will not be lost as it will be the only record the owner will have of the registration.

Register only one well on each form. Be sure to sign both copies of the registration before a Notary Public.

MAIL ALL COPIES OF REGISTRATION AND WELL DRILLER'S CERTIFICATE TO
DEPARTMENT OF WATER RESOURCES, ROOM 1202, CAPITOL BUILDING, LINCOLN
NEBRASKA.

Registration No.

County of

Date Filed

STATE OF NEBRASKA
IRRIGATION WELL REGISTRATIONI, **Superintendent**

(Name of Person registering well)

of **Scotts Bluff National Monument**
P.O. Box 136 Gering

(Postoffice Address)

County of **Scotts Bluff** State of **Nebraska**, being first duly sworn upon my oath say:

1st. That the name of the owner of the land upon which the irrigation well is located is **United States Government**, of **Scotts Bluff Nat. Mon.** Street, **Gering** County of **Scotts Bluff** State of **Nebraska**
(City or Village)

2nd. That the irrigation well is located on the **SE $\frac{1}{4}$** Quarter of the **NE $\frac{1}{4}$** Quarter of Section **28** Township **22 N**, Range **55 W** of the Sixth P. M., **Scotts Bluff** County, and is **1,248** feet from the **east** line and **660** feet from the **south** line of said tract.

3rd. That the well was installed with the intention of irrigating all or parts of the following described land: **NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 4, T21 N, R55 W. and for Domestic and Fire**
(Give Quarter, Section, Township and Range)

*Protection Uses.*amounting in all to approximately **five** acres.

(If installation consists of a battery of wells with one outlet, give details on a sheet to be attached hereto.)

- 4th. That the capacity of said well under normal operating conditions is **25** gallons per minute.
- 5th. That the depth of the well is **40** feet, measured from the surface of the ground.
- 6th. That the inside diameter of the casing is **six** inches.
- 7th. That the static water level in the well is **46** feet below ground surface.
- 8th. That the depth to water under normal pumping conditions is **47** feet below ground surface.
(Pumping Level)
- 9th. That the diameter of the pump column is **2 $\frac{1}{2}$** inches. That the diameter of the **23** bowl or bowls is **4** inches.
(Give number of bowls)

10th. That the type and size of impeller is as follows:

4 L A This is a Peerless, Model 8DA, 27 stage turbine unit fitted with a U. S. Motors 60 Cy, 3 Ph, 220-440 volt, 10 HP electric motor. Bowl No. V3019E, impeller No. V3021A-2.

11th. That the well was completed on or about the **—** day of **February**, 19 **35**.

12th. That attached hereto are three copies of the log of the well certified to by the driller of the well.

13th. That the relation which the subscriber to this affidavit bears to said registrant is that of

Superintendent, Scotts Bluff National Monument

(State whether owner, tenant or agent for land on which well is located)

and that he is authorized to make this affidavit in behalf of the interest affected.

(SGD) JOHN W. MENNEBERGER

STATE OF Nebraska }
Scotts Bluff County } ss.

I hereby certify that the foregoing was signed in my presence and sworn to before me this 31 day
of December, 19 58.

(SGD) Catherine Ulrich
Notary Public

State of Nebraska }
Department of Water Resources } ss.

This instrument was filed for record at o'clock.....M., on the.....day of.....19.....

Irr. 57-3

Registration No. _____ County of _____ Date Filed _____

STATE OF NEBRASKA
CERTIFICATE OF WELL DRILLER

I, United States Army of Scotts Bluff National Monument
(Name of Driller) P.O. Box 136, Gering
(Postoffice Address)

County of Scotts Bluff State of Nebraska, do hereby certify that:

1. I am the driller of an irrigation well located on the SE 1/4 NE 1/4 Quarter, Section No. 28
 Township 22 North, Range 55 W, owned by United States Government, Dept. of Interior
National Park Service, Scotts Bluff National Monument

whose postoffice address is Box 136, Gering State of Nebraska

2. That the drilling was begun on the — day of February, 1935, and completed on
 the — day of February, 1935.

3. That the well is cased and screened in the following manner: 18 ft., 6 1/2" steel casing.
(Give kind of casing, lengths and position of plain and screen casing, weight of metallic casing, etc.)

4. That the diameter of drilled hole is 6 1/2 inches.

5. That Unknown type of drilling machinery was used.

6. That the drilled hole is/is not sealed, as follows: Sealed. Grouted pump base.

7. That the following is an accurate log of the depth, thickness and character of the different strata penetrated, and the location of water-bearing strata:

DEPTH IN FEET
FROM TO

MATERIAL DRILLED

This well was drilled in February, 1935, by the Civilian Conservation
Corps under the direction of the United States Army. Information is
not available on the drilling machinery used, screening, or depth,
thickness and character of the strata penetrated.

154-L

June 23, 1958

Memorandum

To: Regional Director, Region Two

From: Chief, Water Resources Section

Subject: Water Rights, Docket 1, Scotts Bluff National Monument

You and the Superintendent should have assemblies of Docket which now contain the following, reading from the bottom upward:

1. Drawing NM-SB 4960E, Utility Layout Plan.
2. Record of Well - No. 1, which was drilled in 1934 in Sec. 4.
3. Record of Well - No. 2, which was drilled in 1935 in Sec. 28.
4. Memo to Director from Assistant Regional Director McLaughlin, of which our copy is undated, which explains that Well No. 1 had been nominally abandoned because of low yield.
5. Partial Completion Report, in two sheets, dated January 24, 1958.

With copies of this memorandum, we are sending you and the Superintendent copies of Mr. Henneberger's memorandum of June 5, to file at the top of the assembly to indicate that the completion report covers improvements at Well No. 2. We are sending WDC a docket folder which contains items 2-4, and the memorandum of June 5. WDC received a copy of our memorandum of June 2 with item 5, which should be added. They should be supplied with copy of Drawing 4960-E by the office holding the tracing.

We have only extracts from the Nebraska Water Laws which were made about 1938. At that time the State Department of Public Works was responsible for administration of appropriative rights, but most water was used in compliance with the riparian doctrine. It will be helpful if Mr. Mott will determine whether the State has a published copy of the water laws of recent date, and whether the Department of Public Works, or its successor has a manual for guidance in making appropriative filings. We should like to have two copies of any publications, forms, and other material which he obtains.

WESTERN O	
DESIGN & CONSI	
AUG 4 1958	
CHIEF	
ADMIN. ASSIST	
PERSONNEL	
PLANS & PROJ	
SAFETY	
ARCHITECT	
ENGINEER	1
LAND. ARCH.	
ACTION TAKEN	

Mr. Nott should also determine what action the United States should take to comply with the state water laws, if any, and prepare the necessary maps, applications, or other records. We should like to review them before they are filed, but I will not be able to supply any information from past experience in Nebraska.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachment

Copy to: ~~Superintendent~~, Scotts Bluf, w/c attachment
Chief, WDRC, with docket folder

re

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
SCOTTS BLUFF NATIONAL MONUMENT
GERING, NEBRASKA

L54-L

June 5, 1958

Memorandum

To: Regional Director, Region Two
Attention: Hydraulic Engineer Mott

From: Superintendent, Scotts Bluff National Monument

Subject: Headquarters Water System, Docket 1, and
Electrification of Headquarters Water System,
Scotts Bluff National Monument

In answer to your memorandum of June 4, this is to confirm that the well referred to in the Completion Report of Construction Project and on the Record of Well No. 2 are the same well.

The location of the well on the Completion Report is a generalized location. It is in the northwest corner if you consider only the federally-owned land in the Monument. If you consider the proclaimed boundaries, then the well location is in the northern (middle) part of the Monument.

(SGD) JOHN W. HENNEBERGER

John W. Henneberger
Superintendent

Copy to: The Director
Chief, WDC ✓

WESTERN OFFICE
DESIGN & CONSTRUCTION
JUN 10 1958 A.M.

CHIEF
ADMIN. ASSIST.
PERSONNEL
PLANS & PROG.
SAFETY
ARCHITECT
ENGINEER
LAND. ARCH.

ACTION TAKEN—DATE

EXTRA FILE COPY

154-1

Docket 1

(B)

June 2, 1958

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Headquarters Water System, Docket 1, Scotts Bluff

The attached Completion Report is for insertion at the top of Docket No. 1 in the field copies.

We have noticed a reference thereon to the Northwest corner of the Monument. Since the Well No. 2, put into service about the time the docket was distributed, so stated in Mr. McLaughlin's memorandum of the same vintage, is located centrally along the N. Platte River bank on the north Monument boundary, in SE 1/4 NE 1/4 Section 28, we would appreciate confirmation that there has been no new well location since that time.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachment

Copy to: Superintendent, Scotts Bluff, w/c attachment
Chief, WODC, w/c attachment

WESTERN OFFICE
DESIGN & CONSTRUCTION
JUN 4 1958 A.M.

CHIEF	
ADMIN. ASST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	<i>43</i>
LAND, AIR, HL	

2 made
6/4
ACTION TAKEN-DATE
Done

9

C
O
P
Y

Refer to:
L54 SCBL-L

June 5, 1953

Memorandum

To: The Director
From: Assistant Regional Director, Region Two
Subject: Scotts Bluff Water Right Docket No. 1

In Mr. Dunn's memorandum of May 15 on the above subject he correctly understands that the river well, designated by him as No. 2, has now supplanted Well No.1 as the main supply for the headquarters. The first well has been abandoned for all practical purposes, it is used only in emergencies and can supply a very limited amount of water. The latest report is that the pump can be operated only 10 to 15 minutes before the supply is exhausted.

There is attached a print of drawing No. NM-SB-4960, Utility Layout Plan, which shows the complete water system as now in use with proposed future additions. Copies have been placed in the assemblies of the subject docket retained in this office and sent to the monument.

/s/ John S. McLaughlin
Assistant Regional Director

In duplicate

Attachment

Copy to: Supt., Scotts Bluff NM
w/c of Mr. Dunn's memo
5-15 and Docket No. 1

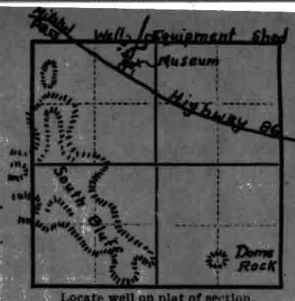
*Copy typed &
mailed 10-21-60 to WODC
JRS.*

C
O
P
Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL No. 1

1. Location: State Nebraska County Scotts Bluff
Nearest P. O. Gering Direction from P. O. West
NE $\frac{1}{4}$, NW $\frac{1}{4}$ sec. 4, T. 21 N., R. 55 W.



2. Owner: National Park Service Address Gering, Nebraska
Driller: A. C. McPherson Address Scottsbluff, Nebraska
Site selected by: National Park Service Address Gering, Nebraska
3. Situation: Is well on upland, in valley, or on hillside? Upland
4. Type of well: Drilled; kind of drilling rig used Solid tool
(Dug, driven, bored, or drilled) (Solid tool, jettling, rotary, etc.)
5. Depth of well: 625 ft.; year in which well was finished 1934
Does well enter rock? ; if so, at what depth? ft.; kind of rock
6. Depth to water: 235 ft.; Amount water rose above level where first struck ft.
7. Diameter: At top inches; at bottom inches.
8. Principal water bed:
(Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed ft.; thickness of bed ft.
If other water supplies were found, give depth to each
9. Casings: Kind ; size 6"; length ft.; between depths of and ft.
Kind ; size ; length ft.; between depths of and ft.
Kind ; size ; length ft.; between depths of and ft.
Packers (if any): Depth at which packers were used ; kind
Screen or Strainer: Was well finished with screen or perforated pipe? ; kind of screen
length of screen ft.; diameter inches; size of openings
perforated pipe ; size of perforations ; How were perforations made; burned, drilled?
10. Head: Does well at present overflow without pumping? No; did it overflow when new? No;
11. Pump: Is the well pumped? Yes; kind of pump Myers, 12" lift.;
size or capacity of pump 12" stroke; kind of power Electric
12. Yield: Natural flow at present (if any) gallons per minute; original flow 3 or 4 gallons per minute;
well has been pumped at gallons per minute continuously for hours;
quantity of water ordinarily obtained from well gallons per minute
13. Use: For what purpose is the water used? Drinking and household use.
14. Quality of the water: Soft (Hard or soft, fresh or salty, etc.); is there an analysis? Yes

Name of person filling blank Robert R. Budlong
Date August 17, 1948 Address Gering, Nebraska

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

Form Approved
OMB No. 158-R0116

U.S. ENVIRONMENTAL PROTECTION AGENCY WATER PROGRAM OPERATIONS (WH-450) WASHINGTON, D.C. 20460		INVENTORY OF PUBLIC WATER SUPPLIES (See instructions on the reverse)		KEY IDENTIFICATION NUMBER																																																																																																																																																						
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INSTRUCTIONS

1. **IDENTIFICATION NUMBER** – This is a 14 digit code number that geographically identifies the location of the utility. It will be filled in by EPA personnel.
2. **NAME OF WATER UTILITY** – This is the complete, official name of the utility.
3. **ADDRESS** – This is the mailing address of the utility (*this may be but does not necessarily have to be the physical location of the treatment plant*).
4. **CITY, COUNTY, STATE** – This is the city, county and state of the mailing address of the utility.
5. **ZIP CODE** – This is the zip code of the mailing address of the utility.
6. **IS THE UTILITY OWNED BY A MUNICIPALITY, DISTRICT, INVESTOR OWNER, STATE OR OTHER** (*specify in remarks*) – Place an **X** in the box that describes the type of ownership of the utility.
7. **RETAIL POPULATION SERVED - NUMBER SERVICES, METERS** – Fill in these boxes with the most current information available. Do Not include the population served by water utilities that purchase water from you wholesale.
8. **NUMBER OF WHOLESALE CUSTOMERS** – In cases where water is sold to wholesale customers (*customers who buy water from you for resale*) fill in the boxes with the number of this type of customer.
9. **WHAT IS THE CHARACTERISTIC(S) OF YOUR SERVICE AREA?** – Place an **X** in the boxes necessary to describe the predominant characteristic(s) of your service area.
10. **CAPACITIES** – Fill in these boxes with the most current information available. Report all storage that does not have to be pumped into the system, whether it is elevated or ground storage.
11. **PRODUCTION** – Fill in these boxes with the most current information available.
12. **DATE FORM COMPLETED** – Fill in the numeric designation of the month (01 - 12) and the last two digits of the year when the form was completed.
13. **REMARKS** – Additional information can be provided (*maximum of 50 Alpha and/or Numeric characters*).
14. **SOURCE AND TREATMENT** – Write in the spaces below Name the name of the river, lake, other utility, well field, or other source from which the supply of water is taken. Circle "R" for regular source or "A" for auxiliary source. If more than one source is used, use separate lines for each source. If more than four sources are used, then list on a second form starting with 05. Place an **X** in the block(s) for the types of treatment rendered the raw water. Mark each source separately.
15. **INTAKE LOCATION** – Latitude and Longitude of intake.
16. **LABORATORY CONTROL** – Place an **X** in the box for the type of types of laboratory analyses made at the treatment facility. Leave these blocks blank if no laboratory analyses are performed.

☆ U. S. GOVERNMENT PRINTING OFFICE: 1974-625-309/72 3-1

Maps and Miscellaneous Information

Number of Documents in Docket	39		
Documents Dated from	2/15/1935	to	1/24/1997
Docket Compiled:	6/17/2011		