



WATER-RIGHT DOCKET

Pecos National Historical Park

Docket No: 6

VISITOR CENTER WELL, UP-04462

State Water Rights Documentation

02-08-2012: Letter from New Mexico State Engineer regarding Declaration of Owner of Water Right

Scott A. Verhines, P.E.
State Engineer



Santa Fe Office
PO BOX 25102
SANTA FE, NM 87504-5102

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 494575
File Nbr: UP 04462

Feb. 08, 2012

CHIEF, WATER RIGHTS BRANCH
UNITED STATES OF AMERICA NATIONAL PARK SERVICE
1201 OAKRIDGE DR., SUITE 250
FORT COLLINS, CO 80525

Greetings:

Enclosed is your copy of Declaration of Owner of the Water Right numbered above, which has been accepted for filing.

Under New Mexico Law, a Declaration is only a statement of declarant's claim. Acceptance for filing does not constitute approval or rejection of the claim.

Sincerely,

Jerri Trujillo
Upper Pecos Basin Manager
(505)827-6120

Enclosure

declare

File Number: UP-4462
(For OSE Use Only)

**NEW MEXICO OFFICE OF THE STATE ENGINEER
DECLARATION OF OWNER OF UNDERGROUND WATER RIGHT**

1. DECLARANT United States of America, National Park Service

Name: Pecos National Historical Park Work Phone: 970-225-3532
Contact: Chief, Water Rights Branch Home Phone: _____
Address: 1201 Oakridge Dr., Ste 250
City: Fort Collins State: CO Zip: 80525

2. LOCATION OF WELL (A, B, C, or D required, E or F if know)

VISITOR CENTER WELL

A. SW 1/4 SE 1/4 Section: 05 Township: 15N Range: 12E N.M.P.M.
in San Miguel County.
B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
Zone in the _____ Grant.
U.S.G.S. Quad Map _____
C. Latitude: 35 d 33 m 02 s Longitude: 105 d 41 m 10 s
D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)
E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey
F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.
G. Other: _____
H. On land owned by (required): United States of America

3. DESCRIPTION OF WELL

Date drilled: 21 July 1983 Driller: Lujan Drilling Company
Depth: 350 feet. Outside diameter of casing 6 inches;
Original capacity _____ gal. per min.; Present capacity 30 gal. per min.;
Pumping lift: _____ feet; Static water level: 110 feet-(above)-(below) land
surface; Make of pump: _____; Type of pump: _____
Make, type, horsepower, etc., of power plant: _____
Fractional or percentage interest claimed in well: 100%

Do Not Write Below This Line

File Number: UP-4462
Form: wr-03

page 1 of 3

Trn Number: 494575

File Number: _____
(For OSE Use Only)

**NEW MEXICO OFFICE OF THE STATE ENGINEER
DECLARATION OF OWNER OF UNDERGROUND WATER RIGHT**

4. QUANTITY

Consumptive Use: _____ acre-feet per annum
Diversion Amount: 20 acre-feet per annum

5. PURPOSE OF USE

Domestic: ☒ Livestock: ☒ Irrigation: _____ Municipal: ☒ Industrial: _____
Commercial: _____ Other (specify): construction, fire suppression
Specific use: National Park purposes

6. PLACE OF USE

5,993 acres of land described as follows:

Subdivision of Section (District or Hydrographic Survey)	Section (Map No.)	Township (Tract No.)	Range	Acres
Lands within the exterior boundaries of the Pecos Unit of Pecos National Historical Park	<u>2-6</u> <u>7-11</u> <u>14-17</u> <u>20-23</u>	<u>T15N</u>	<u>R12E</u>	<u>All</u> <u>5,993</u>
Drawing No. 430/80,032				

Who is the owner of the land? United States of America

7. WATER WAS FIRST APPLIED TO BENEFICIAL USE ON: July 1983 (date)
and since that time has been used fully and continuously for all of the above
described purposes except as follows: _____

8. ADDITIONAL STATEMENTS OR EXPLANATIONS:

This declaration is for the Visitor Center Well at Pecos Unit of Pecos National Historical Park. An official well record is not available. The National Park Service has an unsigned copy of the well record (attached). It is not known why an application and a well record were not submitted to the OSE. The unsigned well record lists the National Forest (Park) Service as the owner of well and the owner's address as P.O. Box 728, Santa Fe, New Mexico 87501. The address belongs to the National Park Service. The public often confuses the National Park Service with the US Forest Service. The Pecos Unit is located along State Highway 63 between Pecos and Rowe, New Mexico, within the Pecos Pueblo Grant. The "Diversion Amount" is for groundwater withdrawals within the exterior boundaries of Pecos Unit. The Visitor Center Well is to be made supplemental to the Headquarter's well (UP-500). The two wells are located within the Glorieta Creek stream system, which is tributary to the Pecos River. A description of the Visitor Center, which is found in the 1995 water resources management plan, is attached. The land on which the Visitor Center, museum, and Visitor Center well were constructed was donated to the United States in 1965.

Do Not Write Below This Line

File Number: _____
Form: wr-03

Trn Number: _____
page 2 of 3

File Number: UP-4462
(For OSE Use Only)

**NEW MEXICO OFFICE OF THE STATE ENGINEER
DECLARATION OF OWNER OF UNDERGROUND WATER RIGHT**

ACKNOWLEDGEMENT

I, William R. Hansen, Chief, Water Rights Branch, affirm that the
(Please Print)
foregoing statements are true to the best of my knowledge and belief.

William R. Hansen
Declarant Signature Declarant Signature

NOTARY

This instrument was acknowledged before me this 27 day of January,
A.D. 2012, By William R. Hansen, Chief, Water Rights Branch.
Name of Applicant

My commission expires 8/25/2011 Marilyn Davis
Notary Public

ACCEPTANCE OF STATE ENGINEER

This Declaration form is hereby accepted for filing in accordance
with NMSA-1978 (1985), as amended.
The acceptance by the State Engineer Office does not constitute validation
of the right claimed.

Do Not Write Below This Line

File Number: _____
Form: wr-03

page 3 of 3

Trn Number: 494575

**STATE ENGINEER OFFICE
WELL RECORD**

Revised June 1932

Section 1. GENERAL INFORMATION

(A) Owner of well National Forest Service Owner's Well No. _____
 Street or Post Office Address P.O. Box 728
 City and State Santa Fe, New Mexico 87501

Well was drilled under Permit No. _____ and is located in the:

a. _____ N _____ W _____ E of Section _____ Township _____ Range _____ N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant.

(B) Drilling Contractor Julian Drilling Company License No. WD-547

Address P.O. Box 216, Roy, New Mexico 87743

Drilling Began _____ Completed _____ Type tools Rotary Size of hole 10 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 350 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 170 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
175	176	1	Gray Limestone	10
243	245	2	Grayish-Green Limestone	20
323	325	2	Gray Limestone	20

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
6 6/8	280		0	350			310	330
							Stainless steel well screen type	

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
0	20		Cement Grout		

Section 5. PLUGGING RECORD

Plugging Contractor _____	No.	Depth in Feet		Cubic Feet of Cement
Address _____		Top	Bottom	
Plugging Method _____	1			
Date Well Plugged _____	2			
Plugging approved by: _____	3			
State Engineer Representative _____	4			

FOR USE OF STATE ENGINEER ONLY

Date Received _____ Quad _____ FWL _____ FSL _____

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 3, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

WATER RESOURCE MANAGEMENT PLAN

PECOS NATIONAL HISTORICAL PARK

Prepared by

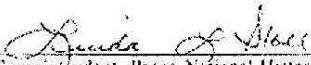
National Park Service
Water Resources Division
Fort Collins, Colorado 80201

Pecos National Historical Park
Pecos, New Mexico 87552

and

Leadership and Management Training Course
February 21 - April 1, 1994
Horace Albright Training Center
Grand Canyon National Park, Arizona 86023

Approved by:


Superintendent, Pecos National Historical Park

4/6/95
Date

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Cistern/Pumphouse at Forked Lightning Ranch House (Big House). Water for the Ranch House was pumped from a cistern on Glorieta Creek, probably through the 1940s, possibly until the new well above the house was drilled in the 1950s. There is no documentation of this water use on file in the State Engineer's Office.

Other Historic Diversions/Uses. For the Pecos Unit other diversions and uses are unknown and/or undocumented, but uses were likely involved during Pueblo, Spanish and Anglo occupation periods. Associated rights, if any, are unknown. Diversions and uses in the Glorieta Unit are unknown and/or undocumented, but some uses are likely with current or former landowners.

Trading Post Spring near Glorieta Creek. This water source was used historically as a water supply for the Trading Post and Forked Lightning Ranch headquarters. The spring box collected water which was pumped to buildings and was active through the late 1970s. There is no documentation of this water use on file in the State Engineer's Office.

Middle Pasture Spring. This unimproved spring with an intermittent flow is located 300 yards south of the middle pasture well. There is no documentation of this water use on file in the State Engineer's Office.

Mud Spring. This spring, located 1/2 mile south of Forked Lightning Ranch House (Big House) has a mudflow. It is near an old collapsed well and stock pond impoundment. There is no documentation of this water use on file in the State Engineer's Office.

Calisteo Creek (Cañoncito Sub-Unit). Historic diversion/uses are unknown, but some uses are possible with current landowners.

Wells

The National Park Service has water rights recorded at the State Engineer's Office for only one of the four wells (the well servicing the administrative area) used in the operation of the park. In the Glorieta Unit, existing dwellings probably have small domestic and stock wells which may or may not be recorded with the State Engineer's office. As these facilities are acquired, existing water rights associated with them would also be acquired. The following is a list of groundwater sources.

Well in Administration Area (Declaration of Water Right #UP-500). (NW1/4, NW1/4, NE1/4, Section 8, T15N, R12E) This well was drilled to a depth of 100 feet below the surface sometime prior to December 7, 1941, and subsequently redrilled to a depth of approximately 300 feet in 1951. A Declaration of Water Right was filed with the State Engineer's Office on July 18, 1978, for this well which services the park's administration area.

Well at the Visitor Center. A well to provide potable water to the current park Visitor Center was drilled by the NPS in the 1980s. However, no documentation of this water use

was found on file in the State Engineer's Office. It is recommended that the park apply with the State Engineer's Office for the permit required to use this water.

Two Wells by Ruins/Poison Spring. Applications were approved by the State Engineer's Office on August 1, 1978, to drill two exploratory wells (UP-x1 (location NE1/4, NE1/4, S31/4, Section 5, T15N, R12E) and UP-x2 (location SW1/4, SE1/4, SE1/4, Section 5, T15N, R12E)) near the Ruins/Poison Spring to support the planned site for the park's proposed Visitor Center. While both wells were successfully drilled (to 300 feet and 500 feet), and capped for future use, the presence of cultural resources near the proposed site of the Visitor Center caused its location to be moved.

Should the park decide that it is unlikely these wells will be used to supply water needs in the future, State of New Mexico regulations require that the wells not to be used for park purposes (as defined by their permits) be properly plugged and abandoned. The Water Rights Branch of the Water Resources Division could assist the park in determining either the appropriate approach for deciding if these wells will be used for park purposes, or determining requirements for abandoning the wells according to state regulations. In either case, further permit needs and requirements defined by the State Engineer's Office will need to be met.

Well at the Trading Post (Kozlowski's Stage Stop). This well was drilled by the Forked Lightning Ranch to a depth of 350 feet around 1978. While this well is currently used to supply potable water to administrative offices and a residence, there is no documentation of this water use on file in the State Engineer's Office. It is recommended that the park apply with the State Engineer's Office for the permit required to use this water.

Well at Forked Lightning Ranch House. This well was probably drilled by the Forked Lightning Ranch in the 1950s to a depth of approximately 800 feet to supply potable water to the Ranch House and Casita. While this water is still being used as a potable water supply by the park, there is no documentation of this water use on file in the State Engineer's Office. It is recommended that the park apply with the State Engineer's Office for the permit required to use this water.

Stock Well in Middle Pasture (Forked Lightning Ranch). This well was possibly drilled by the Forked Lightning Ranch in the early 1980s to a depth of 325 feet. There is no documentation of this water use on file in the State Engineer's Office.

Well at Glorieta House (NE1/4, NE1/4, SE1/4, S34, T16N, R11E). In the Glorieta Sub-Unit, the well was drilled in September, 1981, to a depth of 90 feet. Water is heavily contaminated and not currently being used. There is no documentation of this water use on file in the State Engineer's Office.

Well at Alvarez House. This Glorieta sub-unit well has no written information available. There is no documentation of this water use on file in the State Engineer's Office.

While the status of water rights of the remaining wells has not been documented by the park, a recent conversation with the New Mexico State Engineer's Office indicated that wells drilled prior to 1972 need to be registered and that the park is required to transfer the registration to denote the

change of ownership. Wells drilled after 1978 require permits which need to be registered in the name of the new owner (Ronald E. Palmer, NM State Engineer's Office, pers. comm.). It will be necessary

for the park to update these well permits to indicate the recent change in ownership with the acquisition of the Forked Lightning Ranch.

Potable Water Supply

Potable water systems at the Pecos National Historical Park Headquarters, Visitor Center, Ranch House and Casita, and the Trading Post have all been tested and managed for compliance with National Primary Drinking Water Regulations, the State of New Mexico Drinking Water Regulations, and the NPS Public Health Management Guidelines (National Park Service, 1993).

Several surveys of these systems have been conducted and provide the following overview of potable water quality in the park water supply systems (Sacoman, 1993; New Mexico Environment Department, 1994; National Testing Laboratories, 1994):

- **Park Headquarters:** Water for the Headquarters site is obtained from a drilled well on the west side of the picnic area. The system is classified as a public non-community system and is chlorinated. The water generally meets the requirements of the national and state regulations as well as NPS guidelines with the exceptions of sodium (221 mg/L; NPS action level = <200 mg/L), and total dissolved solids (TDS) (605 mg/L; Maximum Contaminant Level (MCL) = 500 mg/L). A reverse osmosis system is due to be installed on the primary drinking water fountain at the site (John Gibson, Pecos National Historical Park, pers. comm.).
- **Visitor Center:** Potable water for the Visitor Center is supplied from a 300-foot well drilled approximately 50 feet east of the building. The system is classified as a public non-community system and is chlorinated. The system meets the requirements of the national and state regulations as well as the NPS guidelines with the exception of iron (1.6 mg/L; MCL = .3 mg/L) and manganese (.056 mg/L; MCL = .05 mg/L). Sodium has also been observed to be at elevated levels, but meets compliance. A reverse osmosis unit will be installed on the primary drinking water fountain at the Visitor Center (John Gibson, Pecos National Historical Park, pers. comm.).
- **Ranch House and Casita:** Water for the Ranch House and Casita is obtained from a drilled well located approximately 1/4 mile from the Ranch House. Water is stored in a galvanized steel water storage tank. From there, water is chlorinated and stored in four pressure tanks before being used to supply four residential apartments. The water meets the requirements of the national and state regulations as well as NPS guidelines. TDS has been reported at elevated levels, but still is in compliance. A reverse osmosis system may be added later to this system (John Gibson, Pecos National Historical Park, pers. comm.).
- **Trading Post:** Water is supplied to the administrative offices and one apartment located at the Trading Post from a well located approximately 300 feet from the building. The system has not been classified. A chlorinator has been installed on the system. Water has been out of compliance for TDS (592 mg/L; MCL 500 mg/L) and pH (9.6; standard is between 6.6 and 8.8). A reverse osmosis system is being planned for installation in the apartment (John Gibson, Pecos National Historical Park, pers. comm.).

Wastewater Management



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE
Water Resources Division
1201 Oak Ridge Drive, Suite 250
Fort Collins, Colorado 80525-9596

January 30, 2012

L54 (2380)
PECO/Water Rights

Ms. Jerri Trujillo
New Mexico Office of the State Engineer
P.O. Box 25102
407 Galisteo Street, Suite 102
Santa Fe, NM 87504-5102

RE: Water Use by the National Park Service at Pecos National Historical Park

Dear Ms. Trujillo:

It has come to the attention of the National Park Service (NPS) that its water use at Pecos National Historical Park (Park) needs to be clarified and brought into compliance with state water use regulations. Therefore, the NPS prepared six applications and declarations regarding five wells in the Pecos Unit of the Park.

<i>Wells</i>	<i>Type of Application or Declaration</i>	<i>Fee</i>
Headquarters, UP-500	Application for permit to change place or purpose of use of underground waters	\$25.00
Visitor Center	Declaration of owner of underground water right	\$1.00
Trading Post	Declaration of owner of underground water right	\$1.00
Forked Lightning Ranch House	Declaration of owner of underground water right	\$1.00
Middle Pasture, UP-972	Change of ownership of water right, groundwater (corporation)	\$2.00
Headquarters, Visitor Center, Trading Post, Forked Lightning Ranch House, Middle Pasture	Application for permit to add supplemental wells to supplement groundwater	\$25.00
	Total	\$55.00

2012 MAR 31 PM 1:47
OFFICE OF THE STATE ENGINEER
SANTA FE, NM

The six applications and declarations with supporting information are enclosed along with a check for \$55.00. The applications and declarations are submitted in triplicate as requested. If you have any questions or require additional information, please contact Paul Christensen of my staff at 970-225-3534 or paul_christensen@nps.gov.

Sincerely,



William R. Hansen
Chief, Water Rights Branch

Enclosures (19)

(All w/ one copy of each of the six applications and declarations)

cc: Carruth, PECO, Pecos, NM
David Gehlert, DOJ, Denver, CO

Docket Information

Number of Documents in Docket 14
Documents Dated from 2/8/2012 to 2/8/2012
Docket Compiled: 5/22/2012