



WATER-RIGHT DOCKET

Curecanti National Recreation Area

Docket No: 4

NEVERSINK WELL

Preliminary Docket Information

10-06-1995: memorandum, docket information ; october 06, 1995

October 6, 1995

L54(479)

Memorandum

To: Files

From: Mark Wondzell, Hydrologist, Water Rights Branch

Subject: Dockets, Curecanti National Recreation Area

The following wells (as of this date) have been abandoned, that is, they are currently inactive, the pumps have been removed, and the wells plugged:

1. CURE-0001 Elk Creek Well
2. CURE-0002 Beaver Creek Well
3. CURE-0004 Neversink Well
4. CURE-0005 Riverway Well
5. CURE-0007 Cooper Ranch Well
6. CURE-0008 East Cimarron Well

The following wells exist and are currently being used, however, there is no docket or other supporting material in the CURE dockets or in the resource room under the "State" or "Park" files:

1. Elk Creek Well Number 1
2. Elk Creek Well Number 2
3. Lake Fork Well
4. Iola Well ? (current status is unknown)
5. Gateview Well
6. Ponderosa Well

The following right is believed (by CURE staff) to exist, however, no supporting material/documentation can be found in the CURE dockets:

1. East Elk Creek - 1.85 cfs

The irrigation system at the Elk Creek Visitor Center and Campground uses water from East Elk Creek (via the Henry F. Ditch and Elk Creek Ditch) to revegetate and maintain high-use areas within the campground and to control prairie dog populations.

WATER RIGHT RECORD

Park: CURE

Docket Number:

Federal #4

IDENTIFICATION NO: CURE W 0 7 4 9 0 1 A F 0 4

DITCH/WATER SYSTEM: Neversink

SOURCE OF SUPPLY: Well

LOCATION: SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7, T49N, R1W, NMPM
220 feet from South section line
1220 feet from West section line.

WATER RIGHT:

Appropriator: United States of America, National Park Service

Application/Permit Number:

Certificate Record Number:

Date of Priority: 10/10/80

Quantity of Water: 5 gpm

Purpose: Recreational

Irrigated Land Description:

SUMMARY OF STATUS: Day use - picnic area - hand pump

6 inch plain casing to 10 ft

6 inch perforated casing from 10 to 27 feet.

Depth of well 50 feet.

WR-5-Rev. 76

COLORADO DIVISION OF WATER RESOURCES
 818 C Bldg., 1313 Sherman St., Denver, Colo 80203

PERMIT APPLICATION FORM

* Application must be complete where applicable. Type or print in **BLACK INK**. No overstrikes or erasures unless initialed.

(X) A PERMIT TO USE GROUND WATER
 (X) A PERMIT TO CONSTRUCT A WELL
 FOR: (X) A PERMIT TO INSTALL A PUMP

() REPLACEMENT FOR NO. _____
 () OTHER _____

WATER COURT CASE NO. _____

RECEIVED
 MAR 10 1981

WATER RESOURCES
 STATE ENGINEER

RECEIVED
 APR 17 1981

(1) **APPLICANT** - mailing address
 United States of America, Dept. of the
 Interior, National Park Service
 NAME Rocky Mountain Region
 P.O. Box 25287, 655 Parfet St.
 STREET Denver, Colorado 80225
 CITY (State) (Zip)
 234-5787
 TELEPHONE NO.

FOR OFFICE USE ONLY: DO NOT WRITE IN THESE SPACES
 STATE ENGINEER

Receipt No. _____

Basin _____ Dist. _____

CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

APPROVED FOR DRINKING AND SANITATION IN A RECREATIONAL FACILITY.

(2) LOCATION OF PROPOSED WELL

County Gunnison
 SW $\frac{1}{4}$ of the SW $\frac{1}{4}$, Section 7
 Twp. 49 N, Rng. 1 W NM P.M.
 (N.S.) (E.W.)

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 5
 Average annual amount of ground water to be appropriated (acre-feet): 0.8
 Number of acres to be irrigated: None
 Proposed total depth (feet): 50
 Aquifer ground water is to be obtained from: unknown

Owner's well designation Neversink

GROUND WATER TO BE USED FOR:

() HOUSEHOLD USE ONLY - no irrigation (0)
 () DOMESTIC (1) () INDUSTRIAL (5)
 () LIVESTOCK (2) () IRRIGATION (6)
 () COMMERCIAL (4) () MUNICIPAL (8)
 (X) OTHER (9) Recreational

DETAIL THE USE ON BACK IN (11)

(4) DRILLER

Name Kuchler's Water Wells
 Street 1560 6450 Road
 City Montrose CO 81401
 (State) (Zip)
 Telephone No. 249-9134 Lic. No. 864

OWNER'S COPY

APPLICATION APPROVED

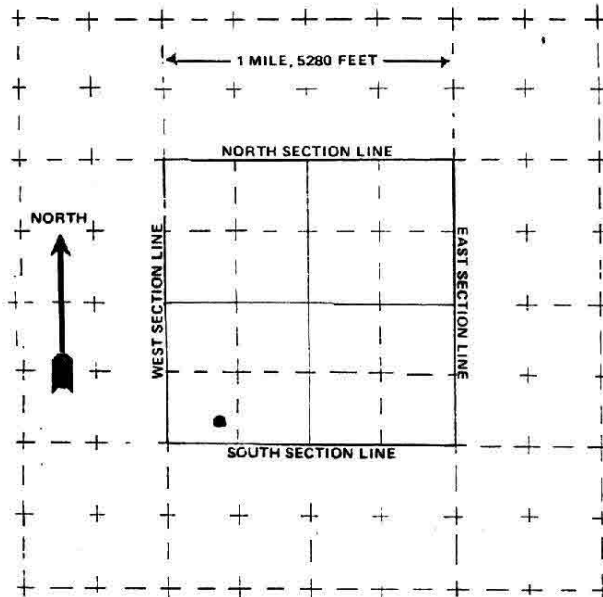
PERMIT NUMBER 119673

DATE ISSUED MAY 11 1981

EXPIRATION DATE MAY 11 1983

Robert G. Longenecker
 Assistant (STATE ENGINEER)
 BY R.H. Stallman
 I.D. 4-59 COUNTY 26

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile
Each small square represents 40 acres.

WATER EQUIVALENTS TABLE (Rounded Figures)

An acre-foot covers 1 acre of land 1 foot deep
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)
A family of 5 will require approximately 1 acre-foot of water per year.
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) WELL MUST BE LOCATED BELOW
by distances from section lines.

220 ft. from South sec. line
(north or south)

1220 ft. from West sec. line
(east or west)

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION _____

(7) TRACT ON WHICH WELL WILL BE
LOCATED Owner: United States of

No. of acres 11 America. Will this be
the only well on this tract? Yes

(8) PROPOSED CASING PROGRAM

Plain Casing

6 in. from 0 ft. to 10 ft.

_____ in. from _____ ft. to _____ ft.

Perforated casing

6 in. from 10 ft. to 27 ft.

_____ in. from _____ ft. to _____ ft.

(9) FOR REPLACEMENT WELLS give distance
and direction from old well and plans for plugging
it:

N/A

(10) LAND ON WHICH GROUND WATER WILL BE USED:

Owner(s): United States of America No. of acres: _____

Legal description: Curecanti National Recreation Area

(11) DETAILED DESCRIPTION of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used. Recreational - day use - picnic area - hand pump

(12) OTHER WATER RIGHTS used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right

Used for (purpose)

Description of land on which used

(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS
TRUE TO THE BEST OF HIS KNOWLEDGE.

[Signature]
SIGNATURE OF APPLICANT(S)

Acting Associate Reg. Director, Park Operations

Use additional sheets of paper if more space is required.

WRJ-26 72

THIS FORM MUST BE SUBMITTED
WITHIN 60 DAYS OF COMPLETION
OF THE WORK DESCRIBED HERE-
ON. TYPE OR PRINT IN BLACK
INK.

CC . . . DIVISION OF WATER RESC

300 Columbine Bldg., 1845 Sherman St.
Denver, Colorado 80203

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER _____

WELL OWNER National Park Service _____ % of the _____ % of Sec. _____ADDRESS Curecanti National Recreation Area T. _____, R. _____, S. _____ P.M. _____DATE COMPLETED 10-10-80, 19____
Neversink Well

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	10'	Soil, Sand and Gravel	
10'	26'	Sand, Gravel and Cobbles	
26'	50'	Volcanic Conglomerate	
		Water made from 5' to 26'.	
TOTAL DEPTH <u>50'</u>			

Use additional pages necessary to complete log.

HOLE DIAMETER

8 in. from 0 to 26.7 ft.

6 in. from 26.7 to 50 ft.

_____ in. from _____ to _____ ft.

DRILLING METHOD Air RotaryCASING RECORD: Plain CasingSize 6" & kind Steel from 0 to 10.0 ft

Size _____ & kind _____ from _____ to _____ ft

Size _____ & kind _____ from _____ to _____ ft

Perforated Casing

Size 6" & kind Steel from 10' to 26.7 ft

Size _____ & kind _____ from _____ to _____ ft

Size _____ & kind _____ from _____ to _____ ft

GROUTING RECORD

Material _____

Intervals _____

Placement Method _____

GRAVEL PACK: Size _____

Interval _____

TEST DATA

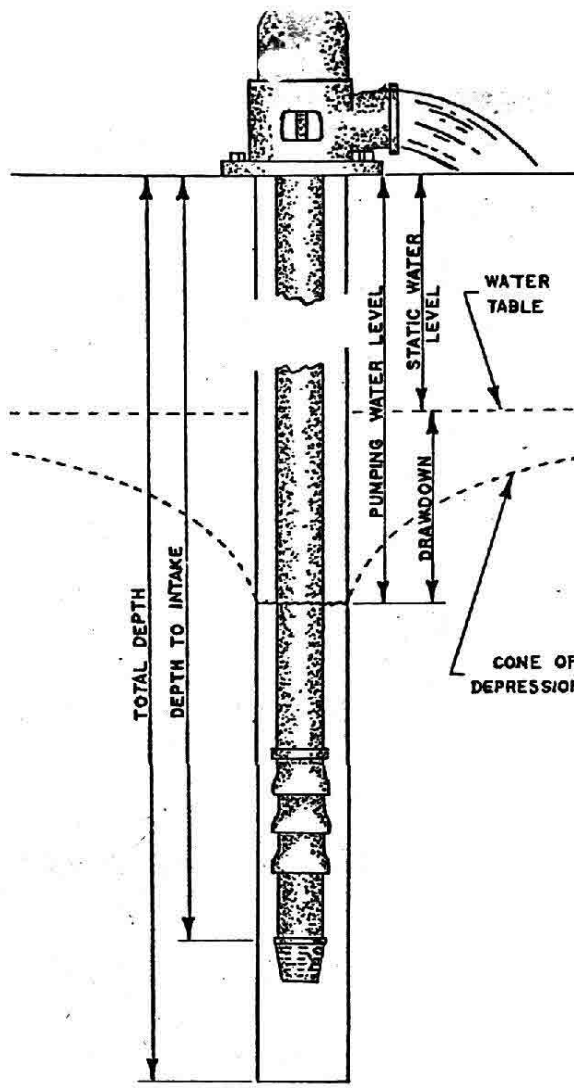
Date Tested 10-22, 1980Static Water Level Prior to Test 8.1 ftType of Test Pump Elect. SubmersibleLength of Test 8 Hrs.Sustained Yield (Metered) 43 G.P.M.Final Pumping Water Level 9.75

PUMP INSTALLATION REPORT

Pump Make _____
 Type _____
 Powered by _____ HP _____
 Pump Serial No. _____
 Motor Serial No. _____
 Date Installed _____
 Pump Intake Depth _____
 Remarks _____

WELL TEST DATA WITH PERMANENT PUMP

Date Tested _____
 Static Water Level Prior to Test _____
 Length of Test _____ Hours
 Sustained yield (Metered) _____ GPM
 Pumping Water Level _____
 Remarks _____



CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature Richard L. Kuchler License No. 864

State of Colorado, County of _____ SS

Subscribed and sworn to before me this 24 day of October, 19 80.

My Commission expires: _____, 19 ____.

Notary Public _____

FORM TO BE MADE OUT IN QUADRUPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.

Supporting Hydro Data

1100 Simms Street
Golden, Colorado
(303) 233-8155

EARTH



AIR

Mailing Address:
1100 Simms Street
Golden, Colorado 80401

WATER

December 5, 1980

Job: OLO7

NATURAL RESOURCES LABORATORY, INC.

Jack Wendleton
National Park Service
655 Parfet Street
P.O. Box 25287
Denver, Colorado 80225

REPORT OF ANALYSES

<u>Sample water</u> <u>Analysis</u>		<u>Beaver Creek</u>	<u>Never Sink</u>
As	mg/l	0.002	0.003
Ba	mg/l	0.1	<0.1
Cd	mg/l	<0.001	<0.001
Cr	mg/l	0.001	<0.001
Pb	mg/l	<0.005	<0.005
Hg	mg/l	<0.0001	<0.0001
NO ₃ as N	mg/l	0.28	0.01
Se ₃	mg/l	<0.002	<0.002
Ag	mg/l	<0.001	<0.001
F ⁻	mg/l	0.2	0.4
Cl ⁻	mg/l	9.	5.
Cu	mg/l	0.005	<0.001
TDS *	mg/l	260.	280.
Fe	mg/l	0.60	0.05
Mn	mg/l	<0.1	<0.1
SO ₄ ⁼	mg/l	26.	29.
Zn	mg/l	0.026	<0.002
CO ₃ ⁼	mg/l	<2.	<2.
HCO ₃ ⁼	mg/l	210.	250.
S ⁼ ₃	mg/l	<1.	<1.
pH		7.5	7.8

Full sample description: Beaver Creek: Well #3 (Test #2)
Never Sink: Well #5

Thank you

* by calculation from specific conductance

Beth Madden
Beth Madden

ANALYTICAL SERVICES AND RESEARCH

DRILLING LOG			DIVISION		INSTALLATION		SHEET OF SHEETS	
1. PROJECT Curecanti National Recreation Area					10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station) Neversink Well					11. DATUM FOR ELEVATION SHOWN (TBM or MSL)			
3. DRILLING AGENCY Kuchlers Water Wells					12. MANUFACTURER'S DESIGNATION OF DRILL			
4. HOLE NO. (As shown on drawing title and file number)					13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED	
5. NAME OF DRILLER Louis Kuchler					14. TOTAL NUMBER CORE BOXES		UNDISTURBED	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.					15. ELEVATION GROUND WATER		16. DATE HOLE	
7. THICKNESS OF OVERBURDEN					17. ELEVATION TOP OF HOLE		18. TOTAL CORE RECOVERY FOR BORING	
8. DEPTH DRILLED INTO ROCK					19. SIGNATURE OF INSPECTOR		10-29-80	
9. TOTAL DEPTH OF HOLE 50'								
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc. if significant)		
	5		Soil			Drilled 6" from 0 to 50'		
	10		Sand			Reamed 8" to 26.7'		
	15		Gravel			6" Steel closing to 26.7'		
	20		10'			Perforated from 10' to 26.7'		
	25		Sand			Water make from 8' to 26.7'		
	30		Gravel					
	35		Cobbles					
	40		26'					
	45		West Elk Colanic Breccia					
	50		Dark gray color					
			Hard/gravel & cobble inclusions					
			50'					

NEVERSINK WELL

Water Test Data - W.T. 8.1

<u>TIME</u>	<u>G.P.M.</u>	<u>DRAWDOWN</u>	<u>RECOVERY RATE</u>
1 min.	35.5	8.1	9.25
2 min.	43.5	9.1	9.00
3 min.	44.0	9.0	8.95
4 min.	39.5		8.80
5 min.	39.0		8.75
7 min.	40		8.50
10 min.	42		8.52
15 min.	42		8.39
20 min.	43		8.29
25 min.	43		8.19
30 min.	43		8.00
40 min.	43		
50 min.	43		
60 min.	43		
75 min.	43		
90 min.	43		
105 min.	43		
120 min.	43		
3 hrs.	43		
4 hrs.	43		
5 hrs.	43		
6 hrs.	43		
7 hrs.	43		
8 hrs.			

Docket Information

Number of Documents in Docket 9

Documents Dated from 10/10/1980 to 10/6/1995

Docket Compiled: 2/15/2011