



WATER-RIGHT DOCKET

Curecanti National Recreation Area

Docket No: 6

CIMARRON TOWN WELL

Preliminary Docket Information

09-29-1980: water right record ; september 29, 1980

WATER RIGHT RECORD

Park: CURE

Docket Number:

Federal #6

IDENTIFICATION NO: CURE W 0 5 4 8 0 6 A F 0 6

DITCH/WATER SYSTEM: Cimarron Town

SOURCE OF SUPPLY: Well

LOCATION: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5, T48N, R6W NMPM
1760 ft. from South section line
1200 ft. from West section line

WATER RIGHT:

Appropriator: United States of America, National Park Service

Application/Permit Number:

Certificate Record Number:

Date of Priority: 9/29/80

Quantity of Water: 11 gpm

Purpose: Domestic and recreational

Irrigated Land Description:

SUMMARY OF STATUS: Recreation use - campground and picnic day use area - visitor contact station, 2 residential apartments, maintenance building, sewage disposal will be septic tank and subsurface disposal field.

6 inch plain casing to 55 ft.

6 inch perforated casing from 55 to 75 feet.

Depth of well 78 feet.

WRJ-5-Rev. 76

CC RADIO DIVISION OF WATER RESOURCES
818 Cement Bldg., 1313 Sherman St., Denver, Colorado 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
STREET P.O. Box 25287, 655 Parfet St.
CITY Denver, Colorado 80225
(State) (Zip)
TELEPHONE NO. 234-5787

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 66427

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 DOMESTIC USE, INCLUDING THE
IRRIGATION OF NOT OVER ONE ACRE OF HOME
GARDENS AND LAWNS.

(2) LOCATION OF PROPOSED WELL

County Montrose
NW 1/4 of the SW 1/4, Section 5
Twp. 48 N Rng. 6 W NM P.M.
(N.S.) (E.W.)

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 11
Average annual amount of ground water to be appropriated (acre-feet): 6.5
Number of acres to be irrigated: 0.30
Proposed total depth (feet): 78
Aquifer ground water is to be obtained from:
unknown

Owner's well designation Cimarron Town

GROUND WATER TO BE USED FOR:

() HOUSEHOLD USE ONLY - no irrigation (0)
(X) 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 119613

DATE ISSUED MAY 08 1981

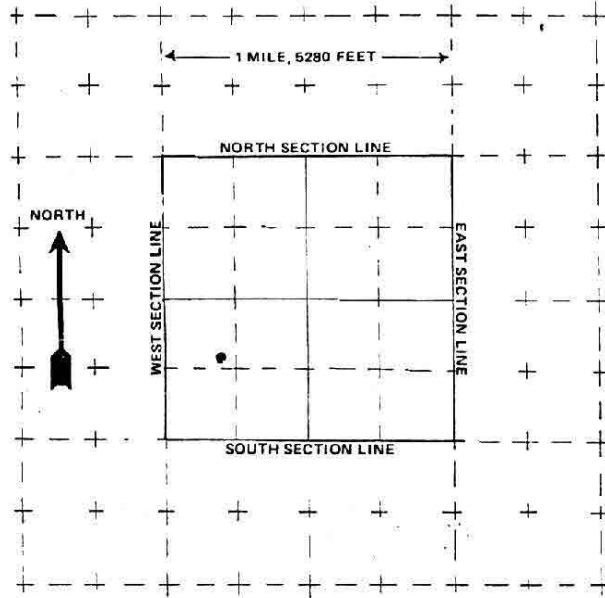
EXPIRATION DATE MAY 08 1983

Robert C. Longenecker
Assistant (STATE ENGINEER)

BY R. M. Stillman

I.D. 4-62 COUNTY 43

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

1760 ft. from South sec. line
(north or south)

1200 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 34 America Will this be

the only well on this tract? Yes

(8) **PROPOSED CASING PROGRAM**

Plain Casing

6 in. from 0 ft. to 55 ft.

_____ in. from _____ ft. to _____ ft.

Perforated casing

6 in. from 55 ft. to 75 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. Recreation use (Campground and picnic day use area) visitor contact

station, 2 residential apartments, maintenance building, sewage disposal will

be septic tank and subsurface disposal field

(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 Regional 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.

COLO. GEO. DIVISION OF WATER RESOURCES

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. _____, P.M. _____

DATE COMPLETED 9-29-80, 19 _____
Cimarron Town Well

Well Site #1

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	14'	Boulders, cobbles sand gravel and clay	
14'	58'	Unconsolidated form sand, gravel, cobbles, and boulders	
58'	77'	Broken Granite formation	
		Water from 20.1 feet	
TOTAL DEPTH _____			

Use additional pages necessary to complete log.

HOLE DIAMETER

8 in. from 0 to 78 ft.

_____ in. from _____ to _____ ft.

_____ in. from _____ to _____ ft.

DRILLING METHOD air rotary

CASING RECORD: Plain Casing

Size 6" & kind steel from 0 to 55 ft

Size _____ & kind _____ from _____ to _____ ft

Size _____ & kind _____ from _____ to _____ ft

Perforated Casing

Size 6" & kind steel from 55 to 75 ft

Size _____ & kind _____ from _____ to _____ ft

Size _____ & kind _____ from _____ to _____ ft

GROUTING RECORD

Material cement

Intervals 0 to 20'

Placement Method Tremie

GRAVEL PACK: Size _____

Interval _____

TEST DATA

Date Tested 9 - 29-80, 19 _____

Static Water Level Prior to Test 20.3 ft

Type of Test Pump electric submersible

Length of Test 24 hours

Sustained Yield (Metered) 7.3 G.P.M.

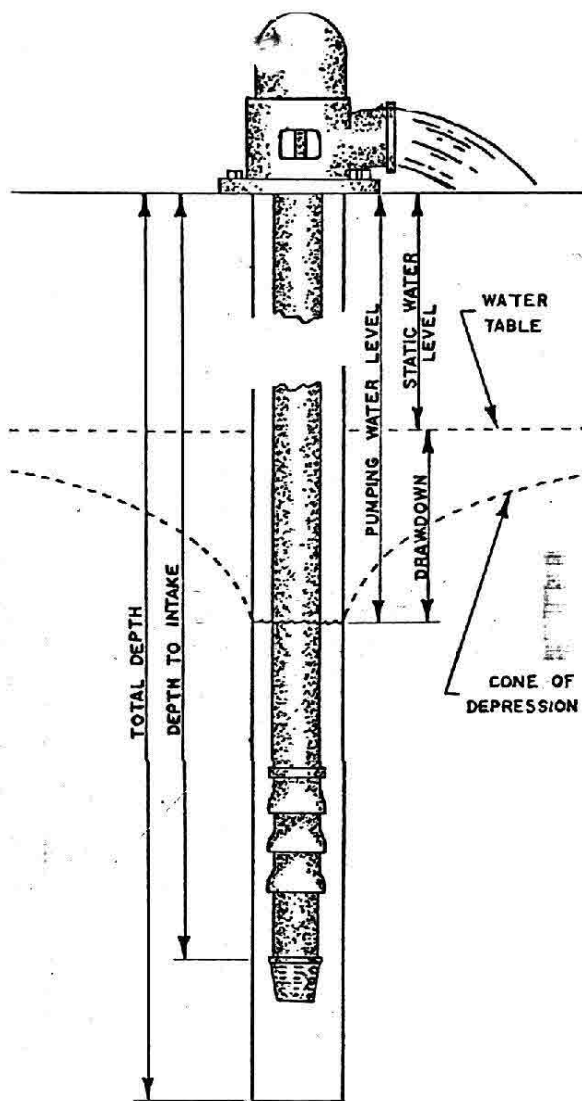
Final Pumping Water Level _____

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 _____ License No. _____

State of Colorado, County of _____ SS

Subscribed and sworn to before me this _____ day of _____, 19 _____.

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.

Supporting Hydro Data

DRILLING LOG			DIVISION	INSTALLATION Water well	SHEET OF SHEETS	
1. PROJECT Curecanti National Recreation Area			10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station) Cimarron Town			11. DATUM FOR ELEVATION SHOWN (TBM or MSL)			
3. DRILLING AGENCY Kuchlers Water Wells			12. MANUFACTURER'S DESIGNATION OF DRILL CP-650 air rotary			
4. HOLE NO. (As shown on drawing title and file number)			13. TOTAL NO. OF OVER- BURDEN SAMPLES TAKEN			
5. NAME OF DRILLER Louis Kuchler			14. TOTAL NUMBER CORE BOXES			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.			15. ELEVATION GROUND WATER 20.3 (top of casing)			
7. THICKNESS OF OVERBURDEN			16. DATE HOLE STARTED _____ COMPLETED 10-20-80			
8. DEPTH DRILLED INTO ROCK			17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE 78'			18. TOTAL CORE RECOVERY FOR BORING %			
19. SIGNATURE OF INSPECTOR						
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
5			Unconsolidated boulders, cob cobbles, gravel, sand and clay to 14.0 ft. Boulders 4.0 ft. size.			Dumped fill from Dam site to 14 ft.
10						Water table
15			Unconsolidated river gravel, cobbles, and sand. Occasion- al boulders.			Water table 18.1 ft. from ground level.
20						
25			Good water make throughout			8" conductor casing to 20 ft.
30						
35						6" permanent steel casing to 75 ft.
40						2' stickups steel drive shoe on casing
45						
50						Perforations from 55 to 75'
55						
60			Unconsolidated fractured granite			Cement surface seal from 6.0 to 20.0'
65						
70						
75			6" steel casing to 75'			
80						

1100 Simms Street
Lakewood, Colorado
Phone (303) 233-8155



Mailing Address:
1100 Simms Street
Golden, Colorado 80401

November 4, 1980

Job: OK15

NATURAL RESOURCES LABORATORY, INC.

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

REPORT OF ANALYSES

<u>Sample water</u>		<u>Well 1</u>	<u>Well 1</u> **	<u>Well 6</u>
<u>Analyses</u>				
As	mg/l	0.013	0.014	<0.002
Ba	mg/l	0.5	0.1	<0.1
Ca	mg/l	<0.001	<0.001	<0.001
Cr	mg/l	<0.001	<0.001	<0.001
Pb	mg/l	<0.005	<0.005	<0.005
Hg	mg/l	<0.0001	<0.0001	<0.0001
Se	mg/l	<0.002	0.009	0.004
Ag	mg/l	0.001	0.001	0.002
F ⁻	mg/l	0.2	0.2	0.2
Cl ⁻	mg/l	85.	48.	38.
Cu	mg/l	0.002	<0.001	0.004
Fe	mg/l	0.1	0.2	0.1
Mn	mg/l	0.2	0.4	1.1
Zn	mg/l	0.014	<0.002	0.004
NO ₃ as N	mg/l	0.24	0.37	0.11
SO ₄ ⁼	mg/l	220.	230.	970.
TDS *	mg/l	680.	610.	1300.
CO ₃ ⁼	mg/l	<2.	<2.	<2.
HCO ₃ ⁼	mg/l	250.	250.	340.
PH		7.9	7.7	7.5

* by calculation from specific conductance

Full sample description:

Well 1 - Cimarron Town 24 hrs. pumping

** Well 1 - Cimarron Town - 3 hrs. test, unacidified, acidified, Se-treated acid

Well 6 - E. Cimarron - 8hrs. pumping

ANALYTICAL SERVICES AND RESEARCH

Beth Madden
Thank you

Docket Information

Number of Documents in Docket 7

Documents Dated from 9/29/1980 to 3/10/1981

Docket Compiled: 2/15/2011