

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St.
Denver, Colorado 80203

TYPE OR
PRINT IN BLACK INK
COPY OF ACCEPTED
STATEMENT MAILED
ON REQUEST.

STATE OF COLORADO

AFFIDAVIT

RECEIVED

COUNTY OF Logan

SS.

MAY 11 1987

WATER RESOURCES
STATE ENGINEER
BOLD

☒ STATEMENT OF BENEFICIAL USE OF GROUND WATER
☐ AMENDMENT OF EXISTING RECORD
☐ LATE REGISTRATION

PERMIT NUMBER 147420

LOCATION OF WELL

THE AFFIANT(S) Gregory SprengerCounty Logan

whose mailing

address is Rt. # 2NW $\frac{1}{4}$ of the NW $\frac{1}{4}$, Section 12City Sidney, NE 69162

(STATE)

(ZIP)

Twp. 8 N, Rng. 54 W, 6th P.M.
(N OR S) (E OR W)

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is

located as described above, at distances of 1200 feet from the North section line and 488 feet from the

(NORTH OR SOUTH)

West section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the

(EAST OR WEST)

day of April 22, 1987; the maximum sustained pumping rate of the well is 8 gallons per minute, the pumpingrate claimed hereby is 8 gallons per minute; the total depth of the well is 60 feet; the average annual amountof water to be diverted is 1 acre-feet; for which claim is hereby made for Livestock

purpose(s); the legal description of the land on which the water from this well is used is

Logan Co., NW $\frac{1}{4}$ of the NW $\frac{1}{4}$, Sec. 12, 8N, 54W, 6pm of which

none acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

(COMPLETE REVERSE SIDE OF THIS FORM)

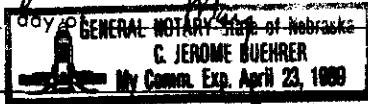
Signature(s) Gregory Sprenger

Subscribed and sworn

to before me on this 8th day of May, 1987

My Commission expires:

(SEAL)



C. Jerome Buehrer
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO
PURSUANT TO THE FOLLOWING CONDITIONS:

THAT THOSE CONDITIONS OF APPROVAL AS STATED ON THE
PERMIT ARE COMPLIED WITH.

FOR OFFICE USE ONLY

Court Case No. _____

Prior. _____ Mo. _____ Day _____ Yr. _____

Div. 1 City 38Sec. _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ Well Use 2Dist. 64 Basin _____ Mon. Dis. _____

OCT 02 1987

DATE

STATE ENGINEER

BY

Well drilled by Canfield Drilling Co. Lic. No. 765

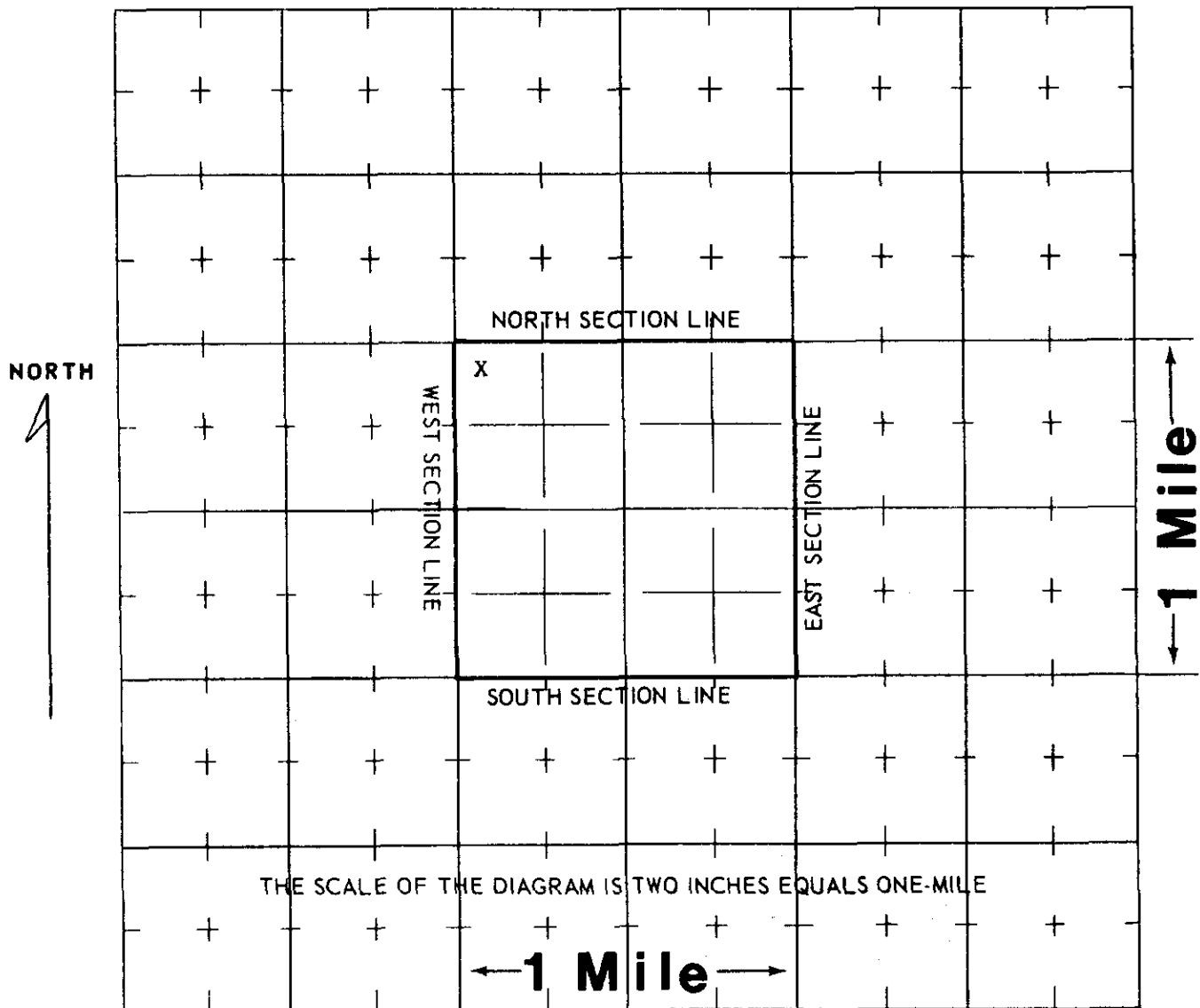
Permanent
Pump installed by Kuntz Pump & Well Supply Lic. No. 1085

Meter Serial No. _____ ☐ Flow Meter Date Installed _____

Owner of land on which
water is being used Gregory Sprenger

THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



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).

1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.

1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

100 gpm pumped continuously for one year produces 160 acre-feet.

(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER
PINK COPY WILL BE RETURNED TO OWNER)

WAE MW

COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818
Denver, Colorado 80203

Verbal-#87878

RECEIVED**APR 17 1987**

WATER RESOURCES
STATE ENGINEER
COLD

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

WELL COMPLETION AND PUMP INSTALLATION REPORTPERMIT NUMBER 147420WELL OWNER Gregory SprengerNW ¼ of the NW ¼ of Sec. 12ADDRESS Rt. # 2, Sidney, NE 69162T. 8 N, R. 54 W, 6th P.M.DATE COMPLETED April 9, 1987**HOLE DIAMETER**12 in. from 0 to 60 ft. in. from to ft. in. from to ft.**DRILLING METHOD****CASING RECORD: Plain Casing**Size 5" & kind Plastic from +1 to 25 ft.Size & kind from to ft.Size & kind from to ft.**Perforated Casing**Size 5" & kind Plastic from 25 to 60 ft.Size & kind from to ft.Size & kind from to ft.**GROUTING RECORD**Material CementIntervals 6-16Placement Method Spill Tube**GRAVEL PACK: Size**Interval **TEST DATA**Date Tested April 9, 19 87Static Water Level Prior to Test 26½ ft.Type of Test Pump BailedLength of Test 3 hrs.Sustained Yield 8 gpmFinal Pumping Water Level 59'**WELL LOG**

From	To	Type and Color of Material	Water Loc.
0	1	Top	26½'
2	4	loam	
4	6	sand, clay	
6	11	clay	
11	20	gravel, sand, clay	
20	27½	clean fine sand	
27½	30	clean watersand	
30	31½	fine sand, traces of clay	
31½	40	shale blossom	
40	60	blue shale	
TOTAL DEPTH <u>60</u>			

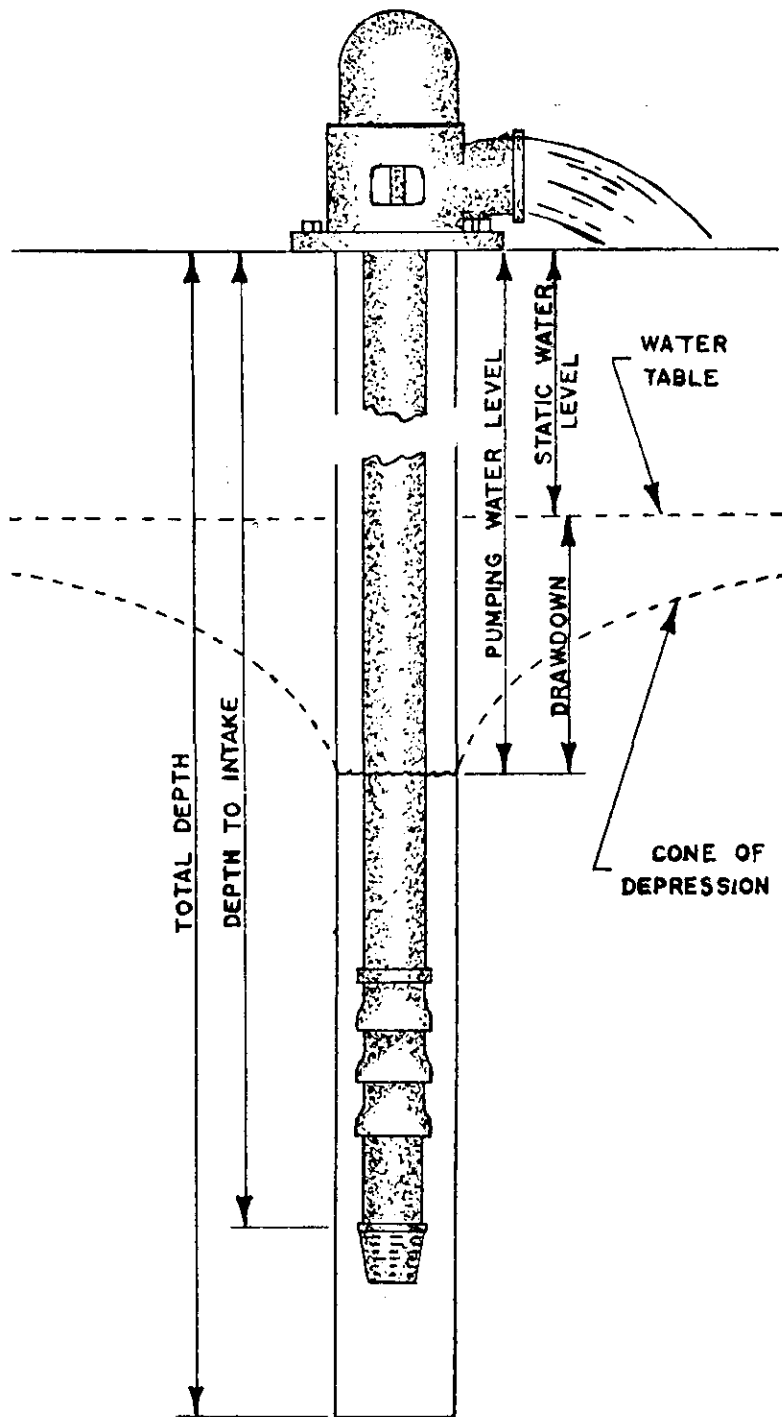
Use additional pages necessary to complete log.

PUMP INSTALLATION REPORT

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

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 L. George Campbell License No. 765
 State of Colorado, County of Morgan SS
 Subscribed and sworn to before me this 15th day of April, 1987.
 My Commission expires: August 31, 1988.
 Notary Public Gerald Burns

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.

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

COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818
Denver, Colorado 80203

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 147420

RECEIVED

MAY 01 1987

WATER RESOURCES
ENGINEERING
BOL.

WELL OWNER Gregory Sprenger

NW $\frac{1}{4}$ ¼ of the NW ¼ of Sec. 12

ADDRESS Rt # 2, Sidney, NB 69162

T. 8 N. 54 W. 6 P.M.

DATE COMPLETED April 22, 19 87

HOLE DIAMETER

_____ in. from _____ to _____ ft.

_____ in. from _____ to _____ ft.

_____ in. from _____ to _____ ft.

DRILLING METHOD.

CASING RECORD: Plain Casing

Size _____ & kind _____ from _____ to _____ ft.

Size _____ & kind _____ from _____ to _____ ft.

Size _____ & kind _____ from _____ to _____ ft.

Perforated Casing

Size _____ & kind _____ from _____ to _____ 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 _____, 19____

Static Water Level Prior to Test _____ ft.

Type of Test Pump _____

Length of Test _____

Sustained Yield (Metered) _____

Final Pumping Water Level _____

WELL LOG

From	To	Type and Color of Material	Water Loc.
		TOTAL DEPTH _____	

Use additional pages necessary to complete log.

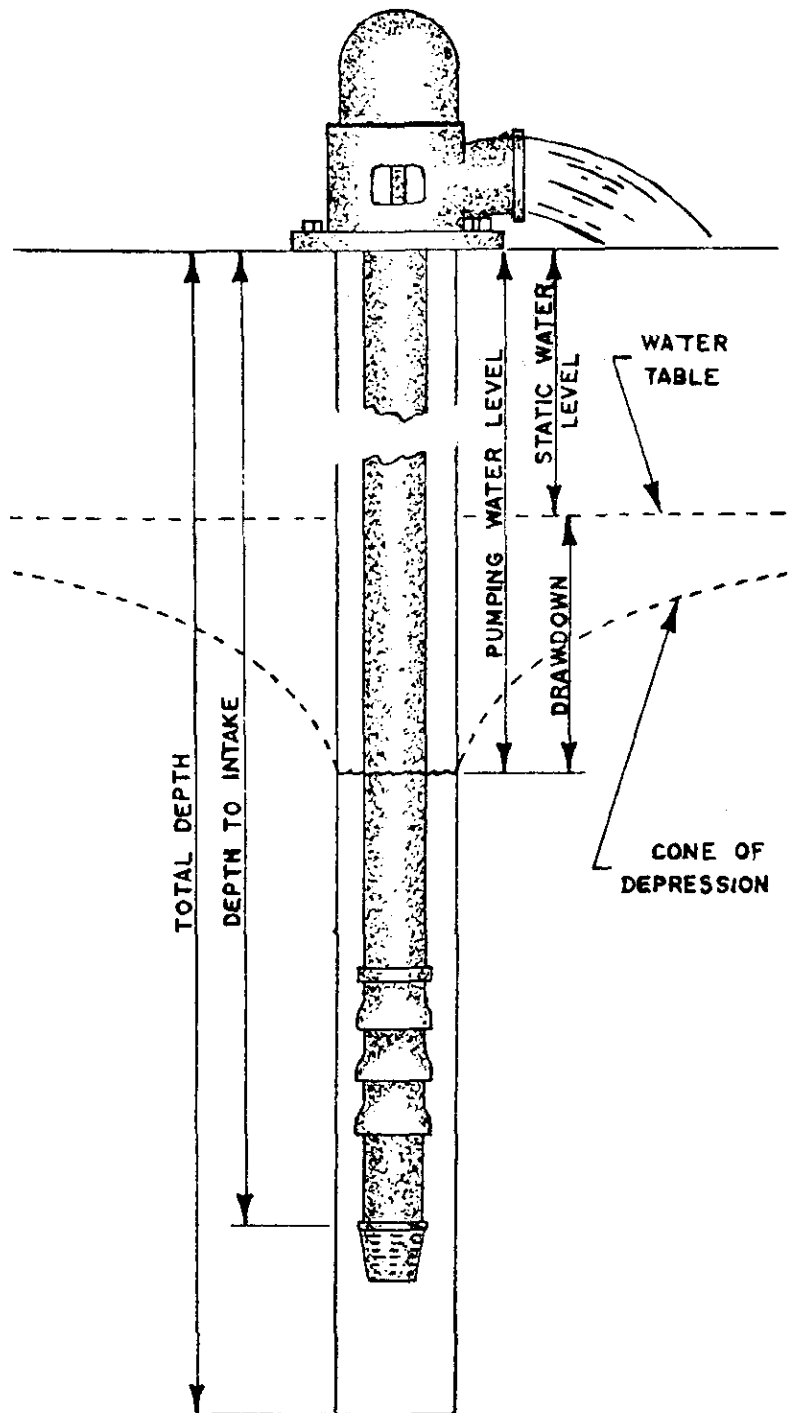
Use additional pages necessary to complete log.

PUMP INSTALLATION REPORT

Pump Make Gould
 Type submersible
 Powered by electricity HP 1/3
 Pump Serial No. T064114
 Motor Serial No. E-85
 Date Installed April 22, 1987
 Pump Intake Depth 30'
 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 No test made



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 Ernest H. Kuntz License No. 1085

State of Colorado, County of B. Logan SS

Subscribed and sworn to before me this 30th day of April, 19 87.

My Commission expires: LINDA KUNTZ, Notary Public
My Commission Expires December 21, 1988

Notary Public Linda Kuntz

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.

COLORADO DIVISION OF WATER RESOURCES
818 Centennial 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.

RECEIVED
MAR 26 1987

WATER RESOURCES
STATE - ENGINEER
COLORADO

(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. WATER RESOURCES
 () OTHER STATE - ENGINEER

WATER COURT CASE NO. 87-11-87 12:47 P
 032472 25.00
 P0012 25.00
 CHEQUE 25.00
 CMC - 0.00

(1) APPLICANT - mailing address

NAME Gregory Sprenger

STREET Rt. 2

CITY Sidney, NB 69162
 (State) (Zip)

TELEPHONE NO. 308-254-5641

(2) LOCATION OF PROPOSED WELL

County Logan

NW ¼ of the NW ¼, Section 12

Twp. 8 N, Rng. 54 W, 6 P.M.
 (N.S) (E.W)

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 15

Average annual amount of ground water to be appropriated (acre-feet): 1

Number of acres to be irrigated: none

Proposed total depth (feet): 55'

Aquifer ground water is to be obtained from:

Owner's well designation

GROUND WATER TO BE USED FOR:

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

() OTHER (9)

DETAIL THE USE ON BACK IN (11)

(4) DRILLER

Name Canfield Drilling Co

Street Box 519

City Ft. Morgan, Colorado 80701
 (State) (Zip)

Telephone No. 867-2943 Lic. No. 764

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 73661 / Verbal approved
 Basin _____ Dist. 4/8/87 3:15pm Steve
#87038

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.

1) APPROVED PURSUANT TO CRS 37-92-602(3)(b)(II) AS THE ONLY WELL ON A TRACT OF LAND OF 40 ACRES DESCRIBED AS THE NW 1/4 OF THE NW 1/4 OF SECTION 12, T8N, R54W OF THE 6TH P.M., LOGAN COUNTY.

2) APPROVED FOR THE WATERING OF LIVESTOCK ON A FARM OR RANCH.

3) ANY EXISTING WELLS LOCATED ON THE 40 ACRE TRACT DESCRIBED AS THE NW 1/4 OF THE NW 1/4 OF SECTION 12, T8N, R54W OF THE 6TH P.M., LOGAN COUNTY MUST BE PLUGGED AND ABANDONED ACCORDING TO THE RULES AND REGULATIONS FOR WATER WELL CONSTRUCTION AND PUMP INSTALLATION CONTRACTORS.

GRG 4-8-87

APPLICATION APPROVED

PERMIT NUMBER 147420

DATE ISSUED APR 08 1987

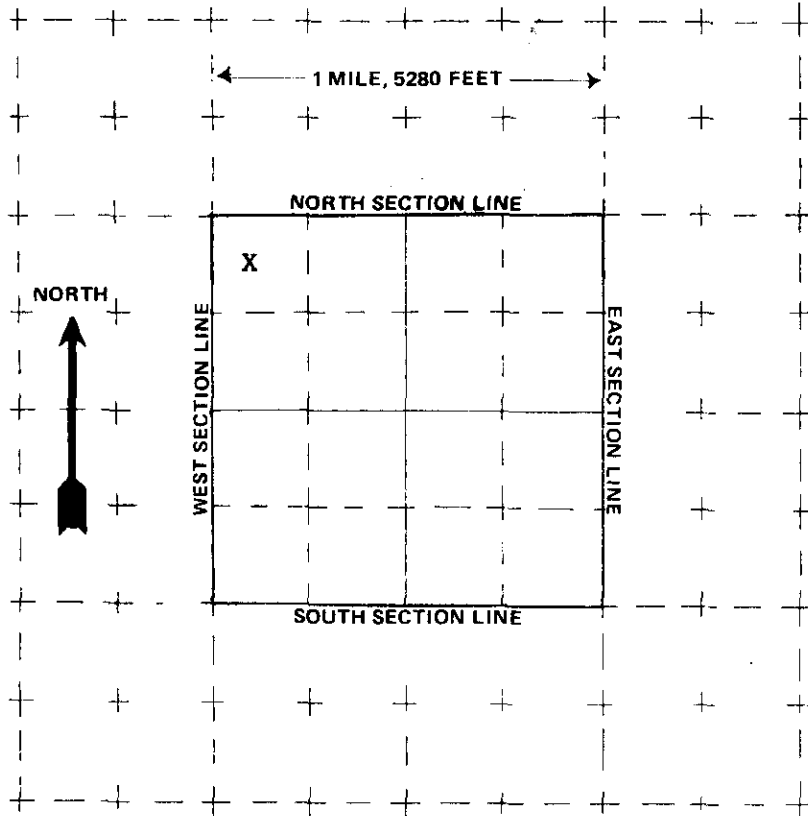
EXPIRATION DATE APR 08 1989

Robert G. Langenbaugh
 Assistant (STATE ENGINEER)

BY Steve Lautenschlager

I.D. 1-64 COUNTY 38

(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.

1200 ft. from North sec. line
(north or south)
488 ft. from West sec. line
(east or west)

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION _____

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: Gregory Sprenger

No. of acres 160 . Will this be
the only well on this tract? Yes

(8) **PROPOSED CASING PROGRAM**

Plain Casing

5 in. from 0 ft. to 30 ft.

_____ in. from _____ ft. to _____ ft.

Perforated casing

5 in. from 30 ft. to 55 ft.

_____ in. from _____ ft. to _____ ft.

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

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

Owner(s): Gregory Sprenger No. of acres: 160

Legal description: Logan Co., NW $\frac{1}{4}$ of the NW $\frac{1}{4}$, Sec. 12, 8N, 54W, 6pm

(11) **DETAILED DESCRIPTION** of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used.

Water livestock

(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.**

Gregory Sprenger
SIGNATURE OF APPLICANT(S)

RECEIVED

Sterling, Colo. 80751
March 23, 1987

Office of the State Engineer
Division of Water Resources
1313 Sherman St.
Denver Colo. 80203
Attention: Glenn Graham

Dear Mr. Graham; Gregory Sprenger has sent me your letter in regard to his application for a well permit receipt No 73661. Let me identify myself, I am Virgil C. Rieke and father in law of Gregory Sprenger and have been involved in the location of the proposed well in different ways since 1935. The windmill is just a tower without a workable windmill on it, the well under it was drilled sometime prior to 1935. Through the years we had to contend with fine sand getting inside the casing. In 1964 I applied for and recieved a permit to drill another well (Permit #22355 dated Dec. 4, 1964). This well was put into operation with a submersible pump and put under pressure and piped across the road to furnish water to parts of sections 1 and 2 which I own, also furnishing water for section 12 and one-half of section 11 for a total of 1300 A. This arrangement worked real good until 1977 when by the end of the grazing season I realized the electricity usage had doubled. Being familiar with the fine sand problem in that area I went on the assumption that the sand had plugged the perforations. Another son in law Dale Anderson was using that pasture at that time and we applied for and recieved a redrill permit. We drilled and cased a new well but when we tested it there just was not enough water for our needs. It is still a mystery to me as to what happend, whether we missed the vein, did not get the fine sand screened out or whether the water supply disappeared. We then moved to the very southeast corner of section 12 and found a good well, which is on record. We had the idea of piping the water to our established system but the high cost of getting electricity to the location along with the cost of over a mile of pipe line made us take a second look. In the meantime Gulf Oil Co. agreed to supply us with water from the Northwest Graylin waterflood system, but this came to a halt with the change of ownership of the Northwest Graylin Oil Field. It is a gamble as to whether we will get a satisfactory well but I believe it is worth a try. While Gregory and Margaret Sprenger are the present owners of this property I am the one that is familiar with the past history. As I will be recieving water from this well for my pasture I will share in the cost of developing it. I trust that this is a satisfactory explanation. Would appreciate your early action on this matter as we will be in need of the water soon.

Virgil C. Rieke
Virgil C. Rieke
Rto. 2
Sterling, Colo. 80751
Phone 303-522-2624

*This is an application for a new one acre tract.
any thing further Contact me if I can help.
Edwin Wagon - w. - 64*

DIVISION OF WATER RESOURCES
1313 SHERMAN STREET, RM. 818
DENVER, COLORADO 80203

RECEIVED

MAY 11 1987

WATER RESOURCES
STATE ENGINEER
COLO.

WELL ABANDONMENT AFFIDAVIT*

STATE OF COLORADO

COUNTY OF _____

ss.

I (we) Gregory Sprenger, being

first duly sworn upon oath, depose and say:

That an old well, located in the NW 1/4 of the NW 1/4, Section 12,
Township 8 N, Range 54 W, 6th P.M., was replaced
for the following reason(s):

No Water left in Well

That the old well, which was replaced by a new well drilled under permit
number Unregistered, was plugged and abandoned according to the
rules and regulations of the State Board of Examiners of Water Well and Pump
Installation Contractors by Canfield Drilling Co.
(person(s) or company)

on April 10, 19 87.

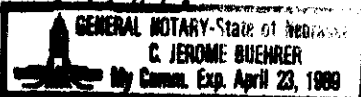
That the old well was plugged with the following materials placed at the
indicated intervals:

Gravel from Bottom feet to 10 feet
Capped W/Cement, filled W/Dirt from 10 feet to Top feet

Signature of affiant(s) x Gregory Sprenger

Subscribed and sworn to before me this 8th day
of May, 19 87.

My Commission expires:



C Jerome Buehner
Notary Public

*It is the owner's responsibility pursuant to the conditions of approval to see
that the affidavit is returned.

(See reverse side for Abandonment Regulations)

Best Copy Available

WELL ABANDONMENT AFFIDAVIT

STATE OF COLORADO)
) ss.
COUNTY OF Logan)

I (we) Gregory Sprenger, being

first duly sworn upon oath, depose and say:

That an old well, located in the NW 1/4 of the NW 1/4, Section 12,
Township 8 N, Range 54 W, 6 P.M., was replaced
for the following reason(s):

No Water Left In Well

That the old well, which was replaced by a new well drilled under permit
number unregistered, was plugged and abandoned according to the
rules and regulations of the State Board of Examiners of Water Well and Pump
Installation Contractors by KUNTZ PUMP & WELL SUPPLY
(person(s) or company)

on April 22, 1987.

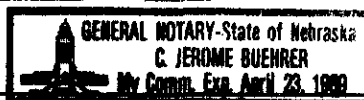
That the old well was plugged with the following materials placed at the
indicated intervals:

Gravel from bottom feet to 10 feet
Capped w/Cement, filled w/dirt from 10 feet to top feet

Signature of affiant(s) Gregory Sprenger

Subscribed and sworn to before me this 8th day
of May, 1987.

My Commission expires:



Notary Public

*It is the owner's responsibility pursuant to the conditions of approval to see
that the affidavit is returned.

(See reverse side for Abandonment Regulations)