

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

1043

WELL PERMIT NUMBER 173582 - A
DIV. 2 WD 12 DES. BASIN MD

APPLICANT

DENNIS A CHRISTIANSEN
2221 EAST GLENDALE AVE
WHITEFISH BAY, WI 53211-

(414) 961-1266

APPROVED WELL LOCATION

CUSTER COUNTY

1/4 1/4 Section 20
Township 21 S Range 70 W Sixth P.M.

DISTANCES FROM SECTION LINES

Ft. from Section Line
Ft. from Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: Northing:

PERMIT TO CONSTRUCT A WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure 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.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(c) for the relocation of an existing well, permit no. 173582. The old well must be plugged in accordance with Rule 16 of the Water Well Construction Rules within ninety (90) days of completion of the new well. The enclosed Well Abandonment Report form must be completed and submitted to affirm that the old well was plugged.
- 4) Approved as the only well on a tract of land of 57.75 acres described as that portion of the NW 1/4 of Sec. 20, Twp. 21 South, Rng. 70 West, Sixth P.M., Custer County, more particularly described on the attached exhibit A.
- 5) The use of ground water from this well is limited to fire protection, ordinary household purposes inside not more than three (3) single family dwellings, the watering of poultry, domestic animals and livestock on a farm or ranch and the irrigation of not more than one (1) acre of home gardens and lawns.
- 6) The pumping rate of this well shall not exceed 15 GPM.
- 7) The return flow from the use of this well must be through an individual waste water disposal system of the non-evaporative type where the water is returned to the same stream system in which the well is located.
- 8) Pursuant to Rule 6.2.3 of the Water Well Construction Rules, the well construction contractor shall submit the as-built well location on work reports required by Rule 17.3 within 60 days of completion of the well. The measured location must be accurate to 200 feet of the actual location. The location information must include a GPS location (UTM coordinates) pursuant to the Division of Water Resources' guidelines.

NOTE: This permit will expire on the expiration date unless the well is constructed by that date. A Well Construction and Test Report (GWS-31) must be submitted to the Division of Water Resources to verify the well has been constructed. An extension of the expiration date may be available. Contact the DWR for additional information or refer to the extension request form (GWS-64) available at: <http://www.water.state.co.us/pubs/forms.asp> 10/1/09

APPROVED
JWB

State Engineer

DATE ISSUED 10-01-2009

By

EXPIRATION DATE

10-01-2011

Receipt No. 3642921

DEPARTMENT OF NATURAL RESOURCES

1313 SHERMAN ST., RM 818, DENVER, CO 80203

phone - info: (303) 866-3587 main: (303) 866-3581

fax: (303) 866-3589 http://www.water.state.co.us

RESIDENTIAL Note: Also use this form to apply for livestock watering**Water Well Permit Application**

Review form instructions prior to completing form.

The form must be completed in black or blue ink or typed.

1. Applicant Information

Name of applicant

Dennis A. Christiansen

Mailing address

2221 East Glendale Ave

City

Whitefish Bay

State

WI

Zip code

53211

Telephone #

(414) 961-1266

E-mail (optional)

2. Type Of Application (check applicable boxes)

- ☐ Construct new well
☒ Replace existing well
☐ Use existing well
☐ Change or increase use
- ☐ Change source (aquifer)
☐ Reapplication (expired permit)
☐ Rooftop precip. collection
☐ Other: Emergency

3. Refer To (if applicable)

Well permit #

173582

Water Court case #

Designated Basin Determination #

Well name or #

4. Location Of Proposed Well (Important! See Instructions)

County

Custer

SE

1/4 of the NW 1/4

Section

20

Township

21

N or S

☒

Range

70

E or W

☒

Principal Meridian

Sixth

Distance of well from section lines (section lines are typically not properly lines)

Feet from ☐ N ☐ SFeet from ☐ E ☐ W

For replacement wells only - distance and direction from old well to new well

feet

direction

Well location address (Include City, State, Zip)

☐ Check if well address is same as in Item 1

195 CR 274

Westcliffe, CO 81252

Optional: GPS well location information in UTM format. GPS unit settings are as follows:

Format must be UTM

☐ Zone 12 or ☐ Zone 13

Units must be Meters

Datum must be NAD83

Unit must be set to true north

Was GPS unit checked for above? ☐ YES

Easting:

Northing:

Remember to set Datum to NAD83

5. Parcel On Which Well Will Be Located

(YOU MUST ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)

A. You must check and complete one of the following:

- ☐ Subdivision: Name _____
 Lot _____ Block _____ Filing/Unit _____
- ☐ County exemption (attach copy of county approval & survey):
 Name/# _____ Lot # _____
- ☐ Parcel less than 36 acres, not in a subdivision, attach a deed with metes and bounds description recorded prior to June 1, 1972, and a current deed
- ☐ Mining claim (attach a copy of the deed or survey): Name/# _____
- ☐ Square 40 acre parcel as described in Item 4
- ☐ Parcel of 35 or more acres (attach a metes and bounds description or survey)
- ☐ Other (attach metes & bounds description or survey and supporting documents)

B. # of acres in parcel

57.75

C. Are you the owner of this parcel?

☒ YES ☐ NO (if no - see instructions)D. Will this be the only well on this parcel? ☒ YES ☐ NO (if no - list other wells)

E. State Parcel ID# (optional):

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OCT 01 2009

WATER RESOURCES
STATE ENGINEER
COLORADO**6. Use Of Well (check applicable boxes)**

See instructions to determine use(s) for which you may qualify

- ☐ A. Ordinary household use in one single-family dwelling (no outside use)
- ☒ B. Ordinary household use in 1 to 3 single-family dwellings:
 Number of dwellings: 3
☒ Home garden/lawn irrigation, not to exceed one acre:
 area irrigated 1 ☐ sq. ft. ☒ acre
☒ Domestic animal watering - (non-commercial)
- ☒ C. Livestock watering (on farm/ranch/range/pasture)

7. Well Data (proposed)

Maximum pumping rate

gpm

Annual amount to be withdrawn

acre-feet

Total depth

feet

Aquifer

8. Water SupplierIs this parcel within boundaries of a water service area? ☐ YES ☒ NO

If yes, provide name of supplier:

9. Type Of Sewage System

- ☒ Septic tank / absorption leach field
- ☐ Central system: District name: _____
- ☐ Vault: Location sewage to be hauled to: _____
- ☐ Other (attach copy of engineering design and report)

10. Proposed Well Driller License #(optional): 1043**11. Signature Of Applicant(s) Or Authorized Agent**

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.

Sign here (Must be original signature)

Date

9/30/09

D Williams

Print name & title

Debi Williams - agent

Office Use Only

USGS map name

DWR map no

Surface elev.

Contour map
just sec. 1, 2, 3, 4
& 5, 6, 7, 8.

Receipt area only

Trans Number: 3642921
 10/17/2009 9:58:06 AM
 Pat Morrison (12)
 Total Trans Amt: \$60.00
 CREDIT CARD
 Tender Amount: \$60.00

AQUAMAP

WE

WR

CWCB

TOPO

MYLAR

SBS

DIV 2 WD 12 BA _____ MD _____

Form No.
GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

1043

APPLICANT

WELL PERMIT NUMBER **123582**

DIV. 2 CNTY. 14 WD 12 DES. BASIN MD

Lot: Block: Filing: Subdiv:

DENNIS A CHRISTIANSEN
C/O P O BOX 186
WESTCLIFFE CO 81252

(719)783-2652

APPROVED WELL LOCATION
CUSTER COUNTY

SE 1/4 NW 1/4 Section 20
Twp 21 S RANGE 70 W 6th P.M.

DISTANCES FROM SECTION LINES

1700 Ft. from North Section Line
1600 Ft. from West Section Line

PERMIT TO CONSTRUCT A WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT
CONDITIONS OF APPROVAL

- 1) 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.
- 2) The construction of this well shall be in compliance with the Water Well Construction and Pump Installation Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 17.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(II)(A) as the only well on a tract of land of 57.75 acres described as that portion of the NW 1/4, SW 1/4, and the SE 1/4 of the NW 1/4 of Sec. 20, Twp. 21 S., Rng. 70 W. of the 6th P.M., Custer County, being more particularly described on the attached exhibit "A".
- 4) The use of ground water from this well is limited to fire protection, ordinary household purposes inside three (3) single family dwellings, the irrigation of not more than one (1) acre of home gardens and lawns and the watering of domestic animals.
- 5) The maximum pumping rate shall not exceed 15 GPM.
- 6) The return flow from the use of this well must be through an individual waste water disposal system of the non-evaporative type where the water is returned to the same stream system in which the well is located.
- 7) This well shall be constructed not more than 200 feet from the location specified on this permit.

APPROVED
DWM

Hal D. Simpson
State Engineer

Receipt No. 0359164

DATE ISSUED OCT 12 1993

[Signature]
EXPIRATION DATE OCT 12 1995

COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

E 785
RECEIVED

AUG 20 '93

**WATER RESOURCES
STATE ENGINEER
COLO.**

60.00

PERMIT APPLICATION FORM

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

FOR: ☒ A PERMIT TO USE GROUND WATER
☒ A PERMIT TO CONSTRUCT A WELL
☒ A PERMIT TO INSTALL A PUMP

() REPLACEMENT FOR NO. _____

() OTHER _____

WATER COURT CASE NO. _____

173582
CHECK

(1) APPLICANT - mailing address

NAME Dennis A. Christiansen

STREET c/o P.O. Box 186

CITY Westcliffe, CO. 81252
(State) (Zip)

TELEPHONE NO. 719-783-2652

(2) LOCATION OF PROPOSED WELL

County Custer

SE $\frac{1}{4}$ of the NW $\frac{1}{4}$, Section 20

Twp. 21 S, Rng. 70 W, 6th 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): 3

Number of acres to be irrigated: 1

Proposed total depth (feet): 150

Aquifer ground water is to be obtained from:
N/A

Owner's well designation _____

GROUND WATER TO BE USED FOR:

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

() OTHER (9) _____

DETAIL THE USE ON BACK IN (11)

(4) DRILLER

Name Nequette Drilling

Street P.O. Box 186

City Westcliffe, CO. 81252
(State) (Zip)

Telephone No. 719-783-2652 Lic. No. 1043

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 359164 / _____

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.

1/6/93

APPLICATION APPROVED

PERMIT NUMBER _____

DATE ISSUED _____

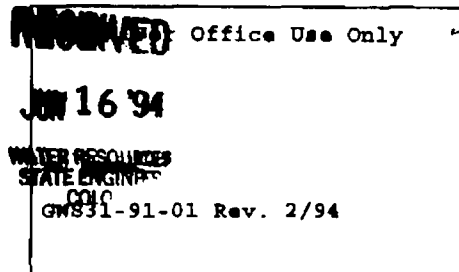
EXPIRATION DATE _____

(STATE ENGINEER)

BY _____

I.D. 2 COUNTY 22-12

WELL CONSTRUCTION AND TEST REPORT
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER



1. WELL PERMIT NUMBER 173582

2. OWNER NAME(S) Dennis A. Christiansen
Mailing Address 2221 E. Glendale Ave.
City, St. Zip Milwaukee, WI. 53211
Phone (414) 961-1266

3. WELL LOCATION AS DRILLED: SE 1/4 NW 1/4, Sec. 20 Twp. 21S Range 70W
DISTANCES FROM SEC. LINES:

1700 ft. from North Sec. line. and 1600 ft. from West Sec. line. OR:
(north or south) (east or west)

SUBDIVISION: N/A LOT N/A BLOCK N/A FILING(UNIT) N/A
STREET ADDRESS AT WELL LOCATION:

4. GROUND SURFACE ELEVATION ft. DRILLING METHOD Air Percussion
DATE COMPLETED 5/19/94 TOTAL DEPTH 365' ft. DEPTH COMPLETED 347' ft.

5. GEOLOGIC LOG:

Depth	Desc. of Mat. (Type, Size, Color, Water Loc.)	6. HOLE DIAM. (in.)	FROM (ft)	TO (ft)
0	1 Soil	8	0	19
1	5 Red clay & granite	6	19	365
5	20 Decomposed pink & gray granite	7. PLAIN CASING		
20	105 Altered pink & gray granite w/red clay & lots of iron			
105	167 Pink granite altered pink & gray granite w/red clay	6 5/8	Steel	.188 +1 19
167	195 Pink & gray granite	4"	PVC-200	.227 15 227
195	Fractures	4"	PVC-200	.227 247 287
195	215 White quartz & pink & gray quartz	4"	PVC-200	.227 307 327
215	225 Gray granite	PERF. CASING: Screen Slot Size: .025		
225	235 Pink & gray granite	4"	PVC-40	.237 227 247
235	335 Gray granite	4"	PVC-40	.237 287 307
335	345 Pink & gray granite	4"	PVC-40	.237 327 347
345	365 Altered pink & gray granite w/mineral	8. FILTER PACK: 9. PACKER PLACEMENT:		
		Material	N/A	Type N/A
		Size		
		Interval		Depth
REMARKS:		10. GROUTING RECORD:		
		Material	Amount	Density Interval Placement
		Cement	2.5 bags w/15 gals.	0' - 19' poured

11. DISINFECTION: Type H.T.H Amt. Used 1.0 OZS.

12. WELL TEST DATA: ☐ Check box if Test Data is submitted on Supplemental Form.

TESTING METHOD Air

Static Level 72' ft. Date/Time measured 5/19/94 Production Rate 2.5 G.P.Min
Pumping level 327' ft. Date/Time measured 5/19/94 Test length (hrs.) 1.0 hrs.
Remarks

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR Nequette Drilling

Phone (719) 783-2652

Lic. No. 1043

Mailing Address P.O. Box 186 Westcliffe, Co. 81252

Name/Title (Please type or print) David J. Nequette Driller/Owner

Signature 

Date 6/9/94

FORM NO.
GWS-32
11/90

PUMP INSTALLATION AND TEST REPORT
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

RECEIVED

MAR 12 1997

WATER RESOURCES
STATE ENGINEER
COLORADO

1. WELL PERMIT NUMBER 173582

2. OWNER NAME(S) Dennis Christensen
Mailing Address 2221 E Glendale Avenue
City, St. Zip Millersburg WI 53211
Phone (414) 461-1216

3. WELL LOCATION AS DRILLED: SE 1/4 NW 1/4, Sec. 20 Twp. 21 South, Range 70 West
DISTANCES FROM SEC. LINES:
1400 ft. from North Sec. line. and 1600 ft. from West Sec. line.
(north or south) (east or west)
SUBDIVISION: County Road 271 & 274 LOT BLOCK FILING(UNIT)
STREET ADDRESS AT WELL LOCATION:

4. PUMP DATA: Type Submersible Installation Completed 2-10-97
Pump Manufacturer Grundfos Pump Model No. 7GS15412
Design GPM 7 at RPM 3450 HP 1 1/2 Volts 230 Full Load Amps 11
Pump Intake Depth 326 Feet, Drop/Column Pipe Size 1 Inches, Kind SCH 80 PVC

ADDITIONAL INFORMATION FOR PUMPS GREATER THAN 50 GPM:

TURBINE DRIVER TYPE: ☐ Electric ☐ Engine ☐ Other
Design Head feet, Number of Stages , Shaft size inches.

5. OTHER EQUIPMENT:

Airline Installed ☐ Yes ☐ No, Orifice Depth ft. , Monitor Tube Installed ☐ Yes ☐ No, Depth ft.
Flow Meter Mfg. Meter Serial No.
Meter Readout ☐ Gallons, ☐ Thousand Gallons, ☐ Acre feet, ☐ Beginning Reading

6. TEST DATA: ☐ Check box if Test data is submitted on Supplemental Form.

Total Well Depth 315 Date
Static Level 72 Time
Date Measured 2-10-97 Rate (GPM) 11
Pumping Lvl. 326

7. DISINFECTION: Type Amt. Used

8. Water Quality analysis available. ☐ Yes ☐ No

9. Remarks

10. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge.
[Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

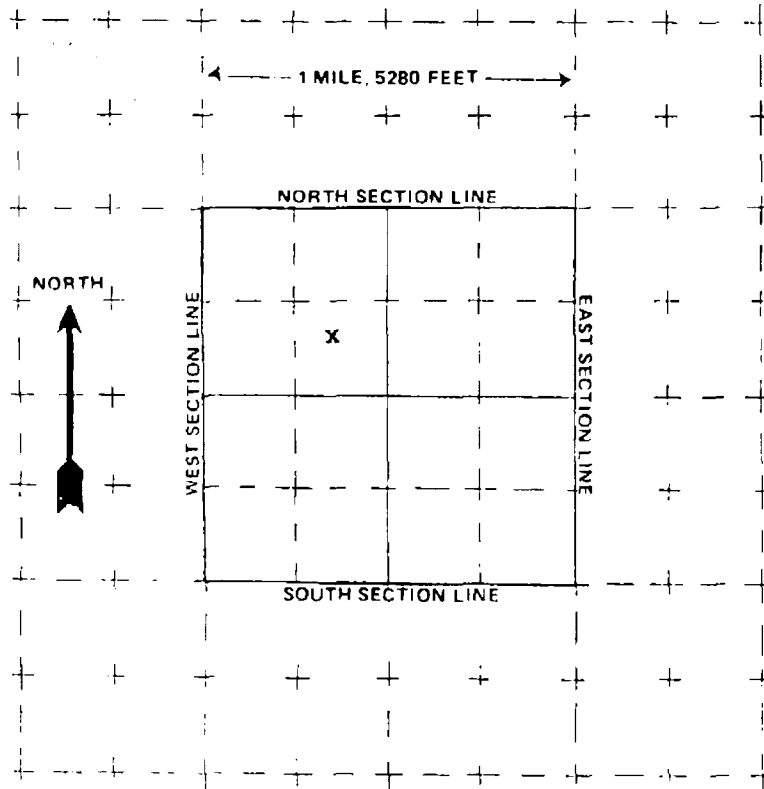
CONTRACTOR Negrette Drilling & Excavating Phone (719) 783-2152 Lic. No. 1043
Mailing Address PO Box 186 Monteforte CO 81252

Name/Title (Please type or print)
DAVID J. Negrette / President

Signature
[Signature]

Date
2-10-97

(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 1.42 acre-feet.

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

1700 ft. from North sec. line
(north or south)

1600 ft. from West sec. line
(east or west)

LOT N/A BLOCK N/A FILING # N/A

SUBDIVISION N/A

(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: D. Christiansen

No. of acres 57.75 Will this be the only well on this tract? Yes

(8) PROPOSED CASING PROGRAM

Plain Casing

6 5/8 in. from +1 ft. to 19 ft.

4" in. from 15 ft. to 130 ft.

Perforated casing

4" in. from 130 ft. to 150 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): Dennis A. Christiansen(Christiansen & Assoc. Inc.) No. of acres: 57.75

Legal description: SE 1/4 of the NW 1/4, Sec. 20, T21S, 70W, 6th PM Custer County Colorado

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

Household use, lawn, garden & livestock. Serve up to 3 single family dwelling.

Septic system with leachfield.

(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

N/A

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

Dennis A. Christiansen
SIGNATURE OF APPLICANT(S)