

FORM NO.
GWS-10
10/89

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

For Office Use only

RECEIVED

NOV 19 93

**WATER RESOURCES
STATE ENGINEER
COLO.**

FOR INSTRUCTIONS, SEE REVERSE SIDE

STATEMENT OF BENEFICIAL USE

WELL PERMIT NUMBER 166349 **166 349**

1. WELL OWNER

NAME(S) Randy and Kelli Diede
Mailing Address 13777 W Asbury Dr
City, St. Zip Lakewood, CO 80228
Phone (303) 987-1942

2. WELL LOCATION: COUNTY Jefferson OWNER'S WELL DESIGNATION _____

2415 Douglas Mtn Dr Golden, CO 80403
(Address) (City) (State) (Zip)

SE 1/4 of the NE 1/4, Sec. 36 Twp. 3 ☐ N. or ☒ S., Range 72 ☐ E. or ☒ W. 6th P.M.

Distances from Section Lines 815 Ft. from ☒ N. or ☐ S. Line, 1340 Ft. from ☒ E. or ☐ W. Line.

3. The well is being used for the following purpose(s): household

4. Water from the well was first used beneficially for the above purpose(s) on 10-25 19 93

5. The pumping rate claimed is 15 gallons per minute. 70 gpm produced

6. The average annual amount of water diverted is 1 acre feet.

7. The land area irrigated (watered) by water from this well is: 0 ☐ Acres or ☐ Square feet,
(Number)

described as: SE 1/4 of the NE 1/4 Sec. 36, Twp. 3 S., Rng 72 W @ 6th P.M.

(Legal Description)

or as Douglas Mountain Ra Subdivision Lot(s) 39 Block Filing/Unit 1

8. Well drilled by: Aspen Drilling Co., Inc. Lic. No: 949

Pump installed by: Aspen Drilling Co., Inc. Lic. No: 949

9. Meter Mfg. by _____ Serial No.: _____ Date installed: _____

I (we) have read the statements made herein, know the contents thereof, and state that they are true to my (our) 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.]

10. Name/Title (Please type or print)

Signature

Date

Randy Diede
Kelli Diede 11/17/93

FOR OFFICE USE ONLY

STATEMENTS OF BENEFICIAL USE FOR PERMITS ISSUED
PURSUANT TO C.R.S. 37-90-105 AND 37-92-602 ARE NOT
REQUIRED AND WILL BE USED FOR INFORMATION ONLY.

State Engineer
Court Case No.

Div.

By
Co.

WD

Basin

MD

Date

Use

FORM NO.
GWS-32
11/90

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

For Office Use only

RECEIVED

NOV 12 '93

**WATER RESOURCES
ENGINEERING
DIVISION**

1. WELL PERMIT NUMBER 166349

2. OWNER NAME(S) Randy Diede
Mailing Address 13777 W. Asbury Dr
City, St. Zip Lakewood, Co 80228
Phone (303) 987-1942

3. WELL LOCATION AS DRILLED: SE 1/4 NE 1/4, Sec. 36 Twp. 3 S, Range 72 W
DISTANCES FROM SEC. LINES:
815 ft. from North Sec. line. and 1340 ft. from East Sec. line.
(north or south) (east or west)
SUBDIVISION: Douglas Mountain Ranch LOT 39 BLOCK FILING(UNIT) 1
STREET ADDRESS AT WELL LOCATION:

4. PUMP DATA: Type submersible Installation Completed 10-25-93
Pump Manufacturer Red Jacket Pump Model No. 150CNW1-CN25VBI
Design GPM 7 at RPM HP 1 1/2 Volts 230 Full Load Amps 11
Pump Intake Depth 530 Feet, Drop/Column Pipe Size 1 Inches, Kind PVC sch 80

ADDITIONAL INFORMATION FOR PUMPS GREATER THAT 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	<u>565'</u>	Date	<u>10-25-93</u>
Static Level	<u>100'</u>	Time	<u> </u>
Date Measured	<u>10-25-93</u>	Rate (GPM)	<u>70</u>
		Pumping Lvl.	<u>530</u>

7. DISINFECTION: Type granular chlorine Amt. Used 3 oz

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 Aspen Drilling Co., Inc. Phone (303) 697-8335 Lic. No. 949
Mailing Address 9054 S. Hwy 285 Morrison, Co 80465

Name/Title (Please type or print)
L. J. Beery

Signature

L. J. Beery

Date
10-25-93

FORM NO.
GWS-31
11/90

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

For Office Use only

RECEIVED

JAN 27 '93

WATER DIVISION
STATE ENGINEER
COLORADO

1. WELL PERMIT NUMBER 166349

2. OWNER NAME(S) Randy Diede
Mailing Address 11408 W. 103rd DR
City, St. Zip Westminster, Co 80021
Phone (303) 469-8997

3. WELL LOCATION AS DRILLED: SE 1/4 NE 1/4, Sec. 36 Twp. 3 S, Range 72 W
DISTANCES FROM SEC. LINES:
815 ft. from North Sec. line. and 1340 ft. from East Sec. line. OR
(north or south) (east or west)
SUBDIVISION: DOUGLAS MTN RA LOT 39 BLOCK FILING(UNIT)¹
STREET ADDRESS AT WELL LOCATION:

4. GROUND SURFACE ELEVATION ft. DRILLING METHOD air
DATE COMPLETED 1-21-93 TOTAL DEPTH 565 ft. DEPTH COMPLETED 565 ft.

5. GEOLOGIC LOG:

Depth	Description of Material (Type, Size, Color, Water Location)
0 20	gray granite
20 105	gray & blue granite white quartz
105 225	gray & blue granite pink & white quartz
225 300	gray & pink granite pink & white quartz black mica
300 405	gray & pink granite pink & white quartz black mica
405 505	gray & pink granite pink & white quartz black mica
505 565	gray & pink granite pink & white quartz

6. HOLE DIAM. (in.)

From (ft)	To (ft)
+1	20
20	565

7. PLAIN CASING

OD (in)	Kind	Wall Size	From(ft)	To(ft)
6 5/8	steel	188	+1	20
4 1/2	plastic	200	10	265
PERF. CASING: Screen Slot Size:				
4 1/2	plastic	200	265	565

8. FILTER PACK:	9. PACKER PLACEMENT:
Material <u> </u>	Type <u> </u>
Size <u> </u>	Depth <u> </u>
Interval <u> </u>	

10. GROUTING RECORD:

Material	Amount	Density	Interval	Placement
cement 2	sacks	mixed	10'	20' poured

11. DISINFECTION: Type granular chlorine Amt. Used 4 oz

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

TESTING METHOD air

Static Level 100 ft. Date/Time measured 1-21-93 Production Rate 70 gpm.

Pumping level 565 ft. Date/Time measured 1-21-93 Test length (hrs.) 2 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 Aspen Drilling Co., Inc. Phone (303) 697-8335 Lic. No. 949
Mailing Address 9054 S. Hwy 285 Morrison, Co 80465

Name/Title (Please type or print) <u>L. J. Beery</u>	Signature <u>L. J. Beery</u>	Date <u>1-21-93</u>
---	---------------------------------	------------------------

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

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

949

APPLICANT

WELL PERMIT NUMBER **166349**

DIV. 1 CNTY. 30 WD 7 DES. BASIN MD

Lot: 39 Block: Filing: 1 Subdiv: DOUGLAS MOUNTAIN RANCH

APPROVED WELL LOCATION
JEFFERSON COUNTY

SE 1/4 NE 1/4 Section 36
Twp 3 S RANGE 72 W 6th P.M.

RANDY DIEDE
11408 W 103RD DR
WESTMINSTER CO 80021

(303)469-8997

DISTANCES FROM SECTION LINES

815 Ft. from North Section Line
1340 Ft. from East 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 residential site of 10 acres described as lot 39 and lot 40, Douglas Mountain Ranch Subdivision, Jefferson County.
- 4) The use of ground water from this well is limited to ordinary household purposes inside a single family dwelling and the watering of the user's noncommercial domestic animals. The ground water shall not be used for irrigation or other purposes.
- 5) The maximum pumping rate shall not exceed 15 GPM.
- 6) The return flow from the use of the 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.

M.M. 9-18-92

APPROVED
MAM

Hal D. Simpson
State Engineer

M.A. Mally
By

Receipt No. 0343520

DATE ISSUED SEP 21 1992

EXPIRATION DATE SEP 21 1994

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

RECEIVED

SEP 03 '92

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

PERMIT APPLICATION FORM

() 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. _____

WATER RESOURCES
STATE ENGINEER
COLO.

25.

THE

89-83-9201-43520

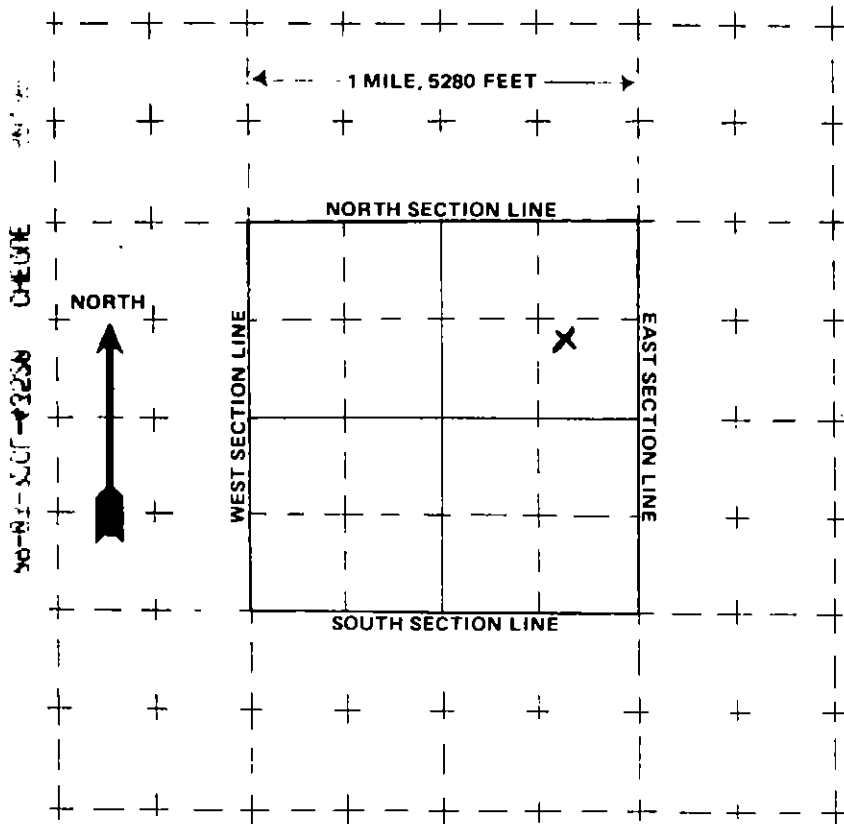
(1) APPLICANT - mailing address

NAME Randy Diede
STREET 11408 W. 103rd Dr
CITY Westminster, Co 80021
(State) (Zip)
TELEPHONE NO. 303-469-8997

(2) LOCATION OF PROPOSED WELL

County Jefferson
SE $\frac{1}{4}$ of the NE $\frac{1}{4}$, Section 36
 Twp. 3 S, Rng. 72 W, 6th P.M.
 (N.S.) (E.W.)

(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.

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

1340 ft. from East sec. line
(east or west)

LOT 39 & 40 BLOCK FILING # 1

SUBDIVISION Douglas Mtn Ra

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

No. of acres 10 Will this be the only well on this tract? yes

(8) **PROPOSED CASING PROGRAM**

Plain Casing

6 5/8 in. from +1 ft. to 20 ft.

4 1/2 in. from 10 ft. to 100 ft.

Perforated casing

4 1/2 in. from 100 ft. to 400 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): RANDY DIEDE No. of acres: 10

Legal description: SE 1/4 of the NE 1/4, Sec. 36, Twp. 3 S., Rng. 72 W @ 6th P.M.

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

household

engineered leachfield

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

Type or right
none

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.**

Randy Diede
SIGNATURE OF APPLICANT(S)

FORM NO. GWS-39 11/90	SUPPLEMENTAL TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER	For Office Use only RECEIVED AUG 31 2000 WATER RESOURCES STATE ENGINEER COLO. 0343520																																																															
1. WELL PERMIT NUMBER <u>166349</u>																																																																	
2. OWNER NAME(S) <u>Randall Diade</u> Mailing Address <u>2415 Douglas Mtn. Dr.</u> City, St. Zip <u>Golden, Colo. 80403</u> Phone ()																																																																	
3. WELL LOCATION AS DRILLED: <u>SE 1/4 NE 1/4, Sec. 36</u> Twp. <u>3</u> S Range <u>72</u> W DISTANCES FROM SEC. LINES: <u>815</u> ft. from <u>North</u> Sec. line. and <u>1340</u> ft. from <u>East</u> Sec. line. (north or south) (east or west) SUBDIVISION: <u>Douglas Mtn. Ranch</u> LOT <u>39</u> BLOCK _____ FILING(UNIT) <u>1</u> STREET ADDRESS AT WELL LOCATION: <u>2415 Douglas Mtn. Dr.</u>																																																																	
4. STATIC WATER LEVEL: <u>180</u> ft., Date <u>Jan. 13, 2000</u> , Time <u>9:00 a.m.</u> Measurement Method: <u>Sonic well probe</u> , Length of airline (if used) <u>N/A</u> ft.																																																																	
5. PUMP: Type <u>Submersible</u> , Horsepower <u>1.5</u> , Setting <u>530</u> feet. Power Source <u>230V AC</u> , Discharge pipe <u>1</u> in., Discharge Pressure <u>50-42</u> psi.																																																																	
6. FLOW METER: Manufacturer <u>Sensus</u> , Type <u>in line</u> Diameter <u>3/4</u> inches, Average pumping rate <u>7.2</u> gpm., Volume pumped during test <u>432 gals.</u>																																																																	
7. TEST DATA: Date of Test <u>1/13/00</u> WELL DEPTH- <u>565</u> FT. ----- Recovery Data ----- <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Time</th> <th style="text-align: left;">Pumping Level (feet)</th> <th style="text-align: left;">Drawdown (feet)</th> <th style="text-align: left;">Pumping rate (gpm)</th> <th style="text-align: left;">Pumping Pressure (psi)</th> <th style="text-align: left;">Time</th> <th style="text-align: left;">Water Level (feet)</th> </tr> </thead> <tbody> <tr> <td><u>9:30</u></td> <td><u>180</u></td> <td><u>0</u></td> <td></td> <td></td> <td><u>10:30</u></td> <td><u>195</u></td> </tr> <tr> <td><u>9:31</u></td> <td><u>191</u></td> <td><u>11</u></td> <td><u>7.75</u></td> <td><u>50</u></td> <td><u>10:32:15</u></td> <td><u>195 PUMP OFF</u></td> </tr> <tr> <td><u>9:37</u></td> <td><u>192</u></td> <td><u>12</u></td> <td><u>7.5</u></td> <td><u>48</u></td> <td><u>10:33</u></td> <td><u>193</u></td> </tr> <tr> <td><u>9:43</u></td> <td><u>193</u></td> <td><u>13</u></td> <td><u>7.25</u></td> <td><u>44</u></td> <td><u>10:34</u></td> <td><u>194</u></td> </tr> <tr> <td><u>9:48</u></td> <td><u>194</u></td> <td><u>14</u></td> <td><u>6.5</u></td> <td><u>42</u></td> <td></td> <td></td> </tr> <tr> <td><u>9:53</u></td> <td><u>195</u></td> <td><u>15</u></td> <td><u>6.5</u></td> <td><u>42</u></td> <td></td> <td></td> </tr> <tr> <td><u>10:12</u></td> <td><u>195</u></td> <td><u>15</u></td> <td><u>6.5</u></td> <td><u>42</u></td> <td></td> <td></td> </tr> <tr> <td><u>10:30</u></td> <td><u>195</u></td> <td><u>15</u></td> <td><u>6.5</u></td> <td><u>42</u></td> <td></td> <td></td> </tr> </tbody> </table>			Time	Pumping Level (feet)	Drawdown (feet)	Pumping rate (gpm)	Pumping Pressure (psi)	Time	Water Level (feet)	<u>9:30</u>	<u>180</u>	<u>0</u>			<u>10:30</u>	<u>195</u>	<u>9:31</u>	<u>191</u>	<u>11</u>	<u>7.75</u>	<u>50</u>	<u>10:32:15</u>	<u>195 PUMP OFF</u>	<u>9:37</u>	<u>192</u>	<u>12</u>	<u>7.5</u>	<u>48</u>	<u>10:33</u>	<u>193</u>	<u>9:43</u>	<u>193</u>	<u>13</u>	<u>7.25</u>	<u>44</u>	<u>10:34</u>	<u>194</u>	<u>9:48</u>	<u>194</u>	<u>14</u>	<u>6.5</u>	<u>42</u>			<u>9:53</u>	<u>195</u>	<u>15</u>	<u>6.5</u>	<u>42</u>			<u>10:12</u>	<u>195</u>	<u>15</u>	<u>6.5</u>	<u>42</u>			<u>10:30</u>	<u>195</u>	<u>15</u>	<u>6.5</u>	<u>42</u>		
Time	Pumping Level (feet)	Drawdown (feet)	Pumping rate (gpm)	Pumping Pressure (psi)	Time	Water Level (feet)																																																											
<u>9:30</u>	<u>180</u>	<u>0</u>			<u>10:30</u>	<u>195</u>																																																											
<u>9:31</u>	<u>191</u>	<u>11</u>	<u>7.75</u>	<u>50</u>	<u>10:32:15</u>	<u>195 PUMP OFF</u>																																																											
<u>9:37</u>	<u>192</u>	<u>12</u>	<u>7.5</u>	<u>48</u>	<u>10:33</u>	<u>193</u>																																																											
<u>9:43</u>	<u>193</u>	<u>13</u>	<u>7.25</u>	<u>44</u>	<u>10:34</u>	<u>194</u>																																																											
<u>9:48</u>	<u>194</u>	<u>14</u>	<u>6.5</u>	<u>42</u>																																																													
<u>9:53</u>	<u>195</u>	<u>15</u>	<u>6.5</u>	<u>42</u>																																																													
<u>10:12</u>	<u>195</u>	<u>15</u>	<u>6.5</u>	<u>42</u>																																																													
<u>10:30</u>	<u>195</u>	<u>15</u>	<u>6.5</u>	<u>42</u>																																																													
8. DISINFECTION: Type <u>HTH granules</u> Amt. Used <u>1 oz.-after sample collection</u>																																																																	
9. Water Quality analysis available. ☒ Yes ☐ No Sample collected at pressure tank discharge																																																																	
10. Remarks <u>DWC CERTIFIES 6.5 Gpm. SUSTAINED YIELD AT 195 FT. PUMPING LEVEL AT THE TIME OF THIS TEST.</u> <u>Flow rate and drawdown and pressure stabilized during test.</u> <u>Well is located uphill and north of house. Legal distance-OK.</u> <u>Well yield will vary seasonally or with prolonged weather changes.</u>																																																																	
11. 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 <u>DOMESTIC WATER CONSULTANTS, INC.</u> Phone <u>(303) 423-6149</u> Lic. No. <u>1081</u> Mailing Address <u>3031 W. 133rd Ave.</u> <u>Broomfield, Colo. 80020</u>																																																																	
Name/Title (Please type or print) <u>Lloyd W. Eichacker, VicePres.</u>	Signature 	Date <u>Jan. 13, 2000</u>																																																															