

FORM NO. GAS-32 11/90

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

For Office Use only RECEIVED

JUN 24 '94

WATER RES. STATE ENG. COLO.

1. WELL PERMIT NUMBER 171579 / 171579

2. OWNER NAME(S) Ed + Julie Wallis Mailing Address 5801 Stauden Zoep City, St. Zip Co Springs Co 80921 Phone ()

3. WELL LOCATION AS DRILLED: SW 1/4 NE 1/4, Sec. 36 Twp. 11 S, Range 67 W DISTANCES FROM SEC. LINES: 1650 ft. from North Sec. line. and 2220 ft. from East Sec. line. SUBMISION: Chasual Hills LOT 55 BLOCK FILING(UNIT) STREET ADDRESS AT WELL LOCATION:

4. PUMP DATA: Type Sub Installation Completed 6/16/94 Pump Manufacturer Red Rocket Pump Model No. 100C014BC Design GPM 10 at RPM 3450, HP 1, Volts 230, Full Load Amps Pump Intake Depth 227 Feet, Drop/Column Pipe Size 1" inches, Kind PVC

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 305 Date 6/16/94 Time Static Level 150 Rate (GPM) 11 Date Measured May 24-94 Pumping Lvl. 190

7. DISINFECTION: Type HTN Amt. Used 4 cups

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 Namacher Well Works Inc. Phone (719) 541-2460 Lic. No. 71 Mailing Address Box 86 Sunco Co 80835

Name/Title (Please type or print) Signature Date T.R. Namacher T.R. Namacher June 94

INSTRUCTIONS FOR PUMP INSTALLATION REPORT

The report must be typed or printed in **BLACK INK**. All changes on the form must be initialed and dated. Attach additional sheets if more space is required. Each additional sheet must be identified at the top by the well owner's name, the permit number, form name/number and a sequential page number. Report depths in feet below ground surface.

This form may be reproduced by photocopy methods, or by computer generation with prior approval by the State Engineer.

The original and one copy of this form must be submitted to the State Engineer's Office within 60 days after completing the well or 7 days after the permit expiration date, whichever is earlier. Another copy of the form must be provided to the well owner.

If this form is submitted in conjunction with the Well Completion and Test Report, form number GWS-31, ONLY THE PERMIT NUMBER AND OWNER NAME NEED TO BE COMPLETED in Items 1 and 2.

1. Complete the Permit Number in full.
2. Fill in Name and Mailing Address of Well Owner where correspondence should be sent.
3. Complete the blocks for the actual location of the well. For wells located in subdivisions the lot, block and subdivision information must also be provided.
4. Indicate the type of pump installed and complete the requested information. When installing pumps greater than 50 gpm, complete the additional information in this area.
5. Provide the information on other equipment which may be installed in the well.
6. Report test data as required by Rule 13.9. Spaces are provided to report all measurements made during the test. The report should show that the test complied with the provisions of the rules. If a test was not performed explain when it will be done. If available, report clock time when measurements were taken.
7. Record the type and the amount of disinfection used, how placed and the length of time left in the hole.
8. Indicate if a water quality analysis was performed and submit a copy of the report if available.
9. Use the remarks area to note any additional information including additional equipment installed, water supply construction problems.
10. Fill in Company Name and Address of Contractor who constructed the well. The report must be signed by the licensed contractor responsible for the installation of pumping equipment.

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

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JUN 24 '94

WATER RESOURCES STATE ENGINEER COLORADO

1. WELL PERMIT NUMBER 171579

2. OWNER NAME(S) Ed + Julie Wallis Mailing Address 580 Sturtevant Loop City, St. Zip CO Springs, CO 80921 Phone ()

3. WELL LOCATION AS DRILLED: SW 1/4 NE 1/4, Sec. 36 Twp. 11 S, Range 67 W DISTANCES FROM SEC. LINES: 1650 ft. from North Sec. line, and 2220 ft. from East Sec. line. OR SUBDIVISION: Chocoma Hills LOT 55 BLOCK FILING(UNIT) STREET ADDRESS AT WELL LOCATION:

4. GROUND SURFACE ELEVATION ft. DRILLING METHOD Rotary DATE COMPLETED May 24 - 94 TOTAL DEPTH 305 ft. DEPTH COMPLETED 305 ft.

5. GEOLOGIC LOG: Table with columns Depth and Description of Material (Type, Size, Color, Water Location). Entries include 0-2 Sand, 2-7 yellow clay, 7-35 Gray clay, 35-125 Clay, 125-160 Gray Sandstone, 160-175 Clay, 175-235 Sandstone + S. Hole, 235-305 Sandstone.

6. HOLE DIAM. (in.) From (ft) To (ft) Table with entries: 7 7/8 0 21, 6 1/2 21 305

7. PLAIN CASING Table with columns OD (in), Kind, Wall Size, From (ft), To (ft). Entries: 6 5/8 Steel 188 0 21, 4" PVC 44 0 235. PERF. CASING: Screen Slot Size: 20 mesh, 4" PVC 44 235-305

8. FILTER PACK: Material Silica Sand Size 8-12 Interval 230 - 305

9. PACKER PLACEMENT: Type Depth

REMARKS:

10. GROUTING RECORD: Table with columns Material, Amount, Density, Interval, Placement. Entries: Cemented 20 gal 0-20 Grouted, Cemented 20 gal 200-230 Grouted

11. DISINFECTION: Type HTH Amt. Used 1/4 cup

12. WELL TEST DATA: TESTING METHOD Duck & Bailed Static Level 150 ft. Date/Time measured May 24 - 94 Production Rate 15 gpm. Pumping level 230 ft. Date/Time measured May 24 - 94 Test length (hrs.) 4

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. CONTRACTOR Hamacher Well Works, Inc. Phone (719) 541-2460 Lic. No. 71 Mailing Address BOX 86 Simla Co 80835 Name/Title (Please type or print) J.R. Hamacher Signature J.R. Hamacher Date June 94

INSTRUCTIONS FOR WELL CONSTRUCTION AND TEST REPORT

The report must be typed or printed in **BLACK INK**. All changes on the form must be initialed and dated. Attach additional sheets if more space is required. Each additional sheet must be identified at the top by the well owner's name, the permit number, form name/number and a sequential page number. Report depths in feet below ground surface.

This form may be reproduced by photocopy methods, or by computer generation with prior approval by the State Engineer.

The original and one copy of this form must be submitted to the State Engineer's Office within 60 days after completing the well or 7 days after the permit expiration date, whichever is earlier. Another copy of the form must be provided to the well owner.

1. Complete the Well Permit Number in full.
2. Fill in Name and Mailing Address of Well Owner where correspondence should be sent.
3. Complete the blocks for the actual location of the well where drilled. If the owner has more than one well serving this property, provide the identification (Owner's Designation) for this well. **DO NOT USE THE OWNER SUPPLIED LOCATION** unless a survey has been provided. For wells located in subdivisions the lot, block and subdivision information must also be provided.
4. Report the ground surface elevation in feet above sea level if available. This value may be obtained from a topographic map. Describe the drilling method used to construct the well and the date completed. Indicate the total depth drilled and the actual completed depth of the well.
5. Fully describe the materials encountered in drilling. Do not use formation names unless they are in conjunction with a description of materials.
Examples of descriptive terms include:
 - Grain size--Boulders, gravel, sand, silt, clay.
 - Hardness--Loose, soft, tight, hard, very hard.
 - Color--All materials. Most critical in sedimentary rock.
 - Depth when water is encountered (if it can be determined).
6. Provide the diameters of the drilled bore hole.
7. The outside diameter, kind, wall thickness and interval of casing lengths must be indicated.
8. Indicate the type and size of filter (gravel) pack and the interval where placed.
9. Indicate the type and setting depth for any packers installed.
10. The density of the grout slurry must be reported and may be indicated as pounds per gallon, gallons of water per sack, total gallons of water and number of sacks used, etc. Specify the grout placement method, i.e. tremie pipe, or positive displacement. The percentage of additives mixed with the grout should be reported under remarks.
11. Record the type and the amount of disinfection used, how placed and the length of time left in the hole.
12. Report well test data as required by Rule 10.7. Spaces are provided to report all measurements made during the test. The report should show that the test complied with the provisions of the rules. If a test was not performed explain when it will be done. If available, report clock time when measurements were taken.
13. Fill in Company Name and Address of Contractor who constructed the well. The report must be signed by the licensed contractor responsible for the construction of the well.

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

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

WELL PERMIT NUMBER 127122
DIV. 2 CNTY. 21 WD 10 DES. BASIN MD

APPLICANT

Lot: 55 Block: Filing: Subdiv: CHAPARRAL HILLS

APPROVED WELL LOCATION
EL PASO COUNTY

MARTY LEVINE
518 W PLATTE
COLORADO SPRINGS CO 80905

SW 1/4 NE 1/4 Section 36
Twp 11 S RANGE 67 W 6th P.M.

DISTANCES FROM SECTION LINES

1650 Ft. from North Section Line
2220 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 5 acres described as Lot 55, Chaparral Hills Subdivision, El Paso 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 non-commercial domestic animals. The ground water shall not be used for irrigation or other purposes.
- 5) Production from this well is restricted to the Denver aquifer which corresponds to the interval between 230 feet and 905 feet below ground surface. Plain casing shall be installed and sealed to prevent production from other zones.
- 6) The maximum pumping rate shall not exceed 15 GPM.
- 7) 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.
- 8) This well shall be constructed not more than 200 feet from the location specified on this permit.

Note: To insure a maximum productive life of this well, perforated casing should be set through the entire producing interval of the approved zone or aquifer indicated above. GRG 8/3/93

APPROVED
GRG

Hal D. Simpson
State Engineer

Ile Galan
By

Receipt No. 0354049

DATE ISSUED JUN 30 1993

EXPIRATION DATE JUN 30 1995

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

RECEIVED

SN

JUN 03 '93

WATER RESOURCES
STATE ENGINEER
COLO

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. _____

171579
6805

(1) APPLICANT - mailing address

NAME Marty Levine
STREET 518 W. Platte
CITY Colo. Spgs, CO. 80905
(State) (Zip)
TELEPHONE NO. _____

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 354049 / _____
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.

PRE 72 SUBDIV 275-905
Denver
Animal:

(2) LOCATION OF PROPOSED WELL

County EL PASO
SW 1/4 of the NE 1/4, Section 36
Twp. 11 S. Rng. 67 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): 1
Number of acres to be irrigated: 0
Proposed total depth (feet): 300'

Aquifer ground water is to be obtained from:
Denver

Owner's well designation _____

GROUND WATER TO BE USED FOR:

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

(X) OTHER (9) Users non-comm. domestic Animals
DETAIL THE USE ON BACK IN (11)

APPLICATION APPROVED

PERMIT NUMBER _____

DATE ISSUED _____

EXPIRATION DATE _____

(STATE ENGINEER)

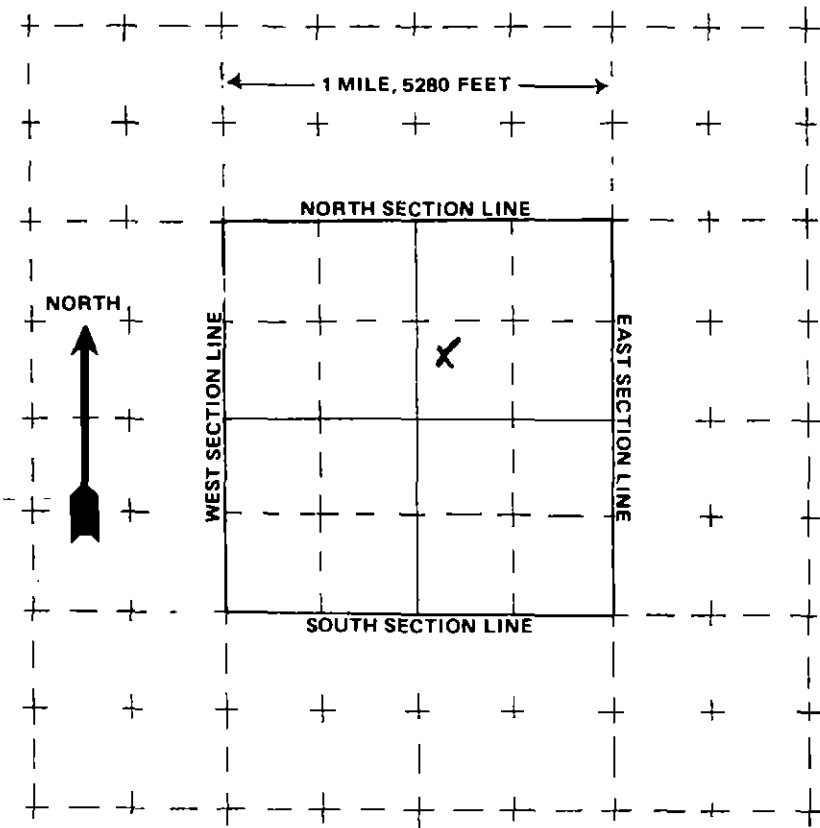
BY _____

I.D. 2 COUNTY 21-10

(4) DRILLER

Name Paul Fletcher & Sons, Inc
Street 797 Hwy 105
City Palmer Lak, CO. 80133
(State) (Zip)
Telephone No. 481-3589 Lic. No. 797

(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.

1650 ft. from North sec. line
(north or south)
2220 ft. from EAST sec. line
(east or west)

LOT 55 BLOCK _____ FILING # _____
SUBDIVISION Chaparral Hills

(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: M. Levine

No. of acres 5 Will this be the only well on this tract? yes

(8) PROPOSED CASING PROGRAM

Plain Casing
4 in. from 0 ft. to 200 ft.
4 in. from 280 ft. to 300 ft.
Perforated casing
4 in. from 200 ft. to 280 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): Marty Levine No. of acres: 5
Legal description: lot 55, Chaparral Hills

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

In house use, watering non-comm. domestic animals. Will have county approved 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
<u>NONE</u>		

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

Marty Levine
SIGNATURE OF APPLICANT(S)

EXEMPT WELL DATA SHEET - DENVER BASIN, COLORADO

APPLICANT: LEVINE RECEIPT NO. 354049
 LOCATION: SW1/4 OF NE1/4 OF SEC. 36, T.11S., R.67W. (1650 NSL, 2220 ESL)

PROPOSED AQUIFER:
 SURFACE ELEVATION: 6865 NUMBER OF ACRES IN TRACT: 5

IS PROPERTY WITHIN SERVICE BOUNDARIES OF MUNICIPALITY S.B.5 CONSENT MAPS? NO ___ YES ___
 IF SUBDIVISION IS UNDER AUGMENTATION PLAN, CASE NO. IS _____, DIV. _____
 IF SUBDIVISION WAS RECOMMENDED FOR APPROVAL BY THE WATER MANAGEMENT BRANCH, DATE OF LETTER IS _____
 INFORMATION ON SUBDIVISION OR TRACT OF LAND/SPECIAL RESTRICTIONS:

evaluated by MAS on JULY 20, 1993

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	6653	6785	66	212	80	0.650	NNT
LOWER DAWSON	----	----	----	----	----	----	----
DENVER	5961	6635	461	904	230	3.910	NNT 4% ? CK LARGE SCALE N 10
UPPER ARAPAHOE	5495	5907	302	1370	958	2.567	NNT
LOWER ARAPAHOE	----	----	----	----	----	----	----
LARAMIE-FOX HILLS	4801	5112	186	2064	1753	1.395	NT

note: E indicates location is at aquifer boundary and values may be more approximate.
 * indicates the proposed aquifer.

All values are interpolated from the S.B.5 data base assembled in November of 1986.