

FORM NO. GWS-32 10/84

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

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SEP 26 1997

WATER RESOURCES STATE ENGINEER COLO.

1. WELL PERMIT NUMBER 181289

2. OWNER NAME(S) DAVID WHITHAM Mailing Address 3225 MOORE LN. City, St. Zip FT COLLINS, CO 80526 Phone ( )

3. WELL LOCATION AS DRILLED: SE 1/4 SW 1/4, Sec. 27 Twp. 3 S, Range 78 W DISTANCES FROM SEC. LINES: 1150 ft. from S Sec. line. and 2500 ft. from W Sec. line. SUBDIVISION: ACORN CREEK RANCH EST LOT 3 BLOCK FILING(UNIT) STREET ADDRESS AT WELL LOCATION:

4. PUMP DATA: Type SUBMERSIBLE Installation Completed 10-3-96 Pump Manufacturer GOULDS Pump Model No. 106515412 Design GPM 12 at RPM 3450, HP 1 1/2, Volts 230, Full Load Amps 120 Pump Intake Depth 29 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: Table with columns for Date (10-3-96) and rows for Total Well Depth, Static Level, Date Measured, Time (0 min, 30 min, 60 min, 120 min), Rate (GPM) (12, 12, 12, 12), Pumping Lvl. (31', 66', 72', 72')

7. DISINFECTION: Type HTL Amt. Used 9.02

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 DELTA SUB ONE Phone (970) 668 5597 Lic. No. 1070 Mailing Address

Name/Title (Please type or print) Signature Date NATHANIEL J. ROPER OWNER Nathaniel J. Roper 7-22-97

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

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NOV 28 1995

WATER RESOURCES STATE ENGINEER COLO

1. WELL PERMIT NUMBER 181289

2. OWNER NAME(S) DAVID W WHITHAM Mailing Address 3225 MOORE LN City, St. Zip FORT COLLINS CO Phone (970) 226-6411

3. WELL LOCATION AS DRILLED: SE 1/4 SW 1/4, Sec. 27 Twp. 3 S, Range 78 W DISTANCES FROM SEC. LINES: 1150 ft. from S Sec. line. and 2500 ft. from W Sec. line. OR SUBDIVISION: ACORN CREEK LOT 3 BLOCK FILING(UNIT) STREET ADDRESS AT WELL LOCATION:

4. GROUND SURFACE ELEVATION ft. DRILLING METHOD AIR PERCUSSION DATE COMPLETED NOV 15, 1995 TOTAL DEPTH 305 ft. DEPTH COMPLETED 305 ft.

5. GEOLOGIC LOG: Depth Description of Material (Type, Size, Color, Water Location) 0-10 SANDSTONE 10-30 PORPHYRY 30-305 SHALE REMARKS:

6. HOLE DIAM. (in.) From (ft) To (ft) 8 0 20 6 20 305

7. PLAIN CASING OD (in) Kind Wall Size From(ft) To(ft) 6 5/8 STEEL 1.280 1 20 4 1/2 PVC 1.214 15 145 4 1/2 PVC 1.214 145 305

8. FILTER PACK: Material Size Interval

9. PACKER PLACEMENT: Type CONE Depth 100

10. GROUTING RECORD: Material Amount Density Interval Placement CEMENT 25% 15.6 10-20 VIBRATED

11. DISINFECTION: Type HTH Amt. Used 7 ONZ

12. WELL TEST DATA: TESTING METHOD AIR Static Level 100 ft. Date/Time measured NOV 15, 1995 Production Rate 20 gpm. Pumping level 300 ft. Date/Time measured NOV 15, 1995 Test length (hrs.) 1

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. CONTRACTOR ARROW DRILLING CO Phone (303) 421-8766 Lic. No. 1009 Mailing Address 2127 ELDERBERRY RD GOLDEN CO 80401

Name/Title (Please type or print) Signature Date PAUL BERGLUND/DRILLER P. Berglund NOV 22, 1995

OFFICE OF THE STATE ENGINEER  
COLORADO DIVISION OF WATER RESOURCES

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

LIC

WELL PERMIT NUMBER 181289  
DIV. 5 CNTY. 59 WD 36 DES. BASIN MD

APPLICANT

Lot: 3 Block: Filing: Subdiv: ACORN CREEK RANCH ESTATES

DAVID W WHITHAM  
3225 MOORE LANE  
FT COLLINS CO 80526

(303)226-6411

APPROVED WELL LOCATION  
SUMMIT COUNTY

SE 1/4 SW 1/4 Section 27  
Twp 3 S RANGE 78 W 6th P.M.

DISTANCES FROM SECTION LINES

1150 Ft. from South Section Line  
2500 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 40 acres described as that portion of the SE 1/4 of the SW 1/4 of Sec. 27, Twp. 3 South, Rng. 78 West of the 6th P.M., Summit County, being more particularly described on the attached exhibit "A" as Tract 3, Acorn Creek Ranch Estates.
- 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.

JD 8-29-94

APPROVED  
JD2

*Hal D. Simpson*  
\_\_\_\_\_  
State Engineer

*Jos Deaton*  
\_\_\_\_\_  
By

Receipt No. 0372431

DATE ISSUED AUG 30 1994

EXPIRATION DATE AUG 30 1996

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JUL 18 '94

WATER RESOURCES  
STATE ENGINEER  
COLO.

181289

PERMIT APPLICATION FORM

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

- ( ) A PERMIT TO USE GROUND WATER
- (X) A PERMIT TO CONSTRUCT A WELL
- FOR: ( ) A PERMIT TO INSTALL A PUMP
- ( ) REPLACEMENT FOR NO. \_\_\_\_\_
- ( ) OTHER \_\_\_\_\_
- WATER COURT CASE NO. \_\_\_\_\_

(1) **APPLICANT** - mailing address

NAME David W. Whitham

STREET 3225 Moore Lane

CITY Fort Collins, CO 80526  
(State) (Zip)

TELEPHONE NO. (303) 226-6411

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. \_\_\_\_\_ / \_\_\_\_\_

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.

(2) **LOCATION OF PROPOSED WELL**

County Summit

SE  $\frac{1}{4}$  of the SW  $\frac{1}{4}$ , Section 27

W Twp. 3 S ~~Rng.~~ 78 W. 674 P.M.  
(N.S) (E.W)

lot 3 37H  
no quad

Acorn Creek Ranch

40Ac  
plots on lot ✓

(3) **WATER USE AND WELL DATA**

Proposed maximum pumping rate (gpm) 15gpm

Average annual amount of ground water to be appropriated (acre-feet): 3

Number of acres to be irrigated: 1 or less

Proposed total depth (feet): 200-350

Aquifer ground water is to be obtained from:  
Metamorphic Rock Formation of a Tributary of Blue River  
Owner's well designation \_\_\_\_\_

Best Copy Available

**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)
- ( ) OTHER (9) \_\_\_\_\_

DETAIL THE USE ON BACK IN (11)

APPLICATION APPROVED

PERMIT NUMBER \_\_\_\_\_

DATE ISSUED \_\_\_\_\_

EXPIRATION DATE \_\_\_\_\_

CHECKS TRN372431 071894 60.00  
DIV OF WATER RESOURCES  
(STATE ENGINEER)

BY \_\_\_\_\_

I.D. 5 COUNTY 59 36

(4) **DRILLER**

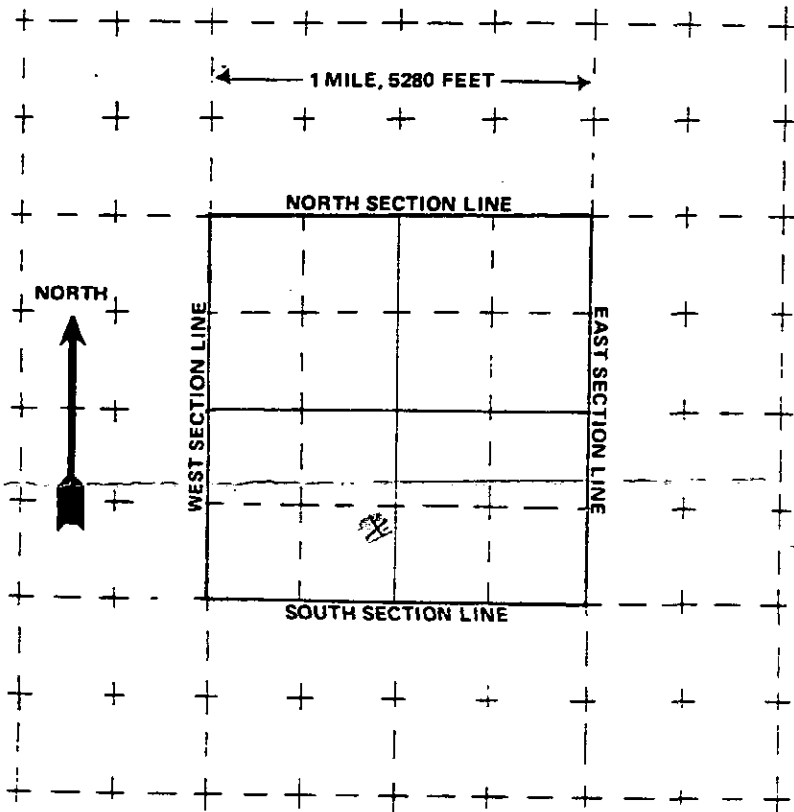
Name Licensed

Street \_\_\_\_\_

City \_\_\_\_\_ (State) (Zip)

Telephone No. \_\_\_\_\_ Lic. No. \_\_\_\_\_

(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.

1150 ft. from South (north or south) sec. line  
2500 ft. from West (east or west) sec. line

LOT 3 BLOCK \_\_\_\_\_ FILING # \_\_\_\_\_

SUBDIVISION Acorn Creek Ranch Estates

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: David W. Whitham

No. of acres 40. Will this be the only well on this tract? yes

(8) **PROPOSED CASING PROGRAM**

Plain Casing \_\_\_\_\_  
8 in. from above ground ft. to 30 ft.

Perforated casing \_\_\_\_\_  
\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

8 in. from 30 ft. to 200-350 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): David W. Whitham No. of acres: 40 DW  
Legal description: see attached - Also known as Tract 3, Acorn Creek Ranch Estates

(11) **DETAILED DESCRIPTION** of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used. one dwelling to be served, maximum of 4 horses to be watered and less than 1/2 ac. landscape irrigation. Sewage disposal by septic system.

(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.**

David W. Whitham  
SIGNATURE OF APPLICANT(S)

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A tract of land being a portion of the Southeast One-Quarter of the Southwest One-Quarter of Section 27, Township 3 South, Range 78 West of the 6th P.M., Summit County, Colorado. Said tract being more particularly described as follows:

Beginning at the Southeast corner of the Southeast One-Quarter of said Section 27;  
thence North  $01^{\circ}19'31''$  West, a distance of 1,350.45 feet to the Northeast Corner of said Southeast One-Quarter of the Southwest One-Quarter of said Section 27;  
thence South  $88^{\circ}31'50''$  West, a distance of 1,331.15 feet to the Northwest Corner of said Southwest One-Quarter of the Southwest One-Quarter of said Section 27;  
thence South  $01^{\circ}17'23''$  East, along the West line of said Southeast One-Quarter of the Southwest One-Quarter, a distance of 1,283.99 feet;  
thence South  $88^{\circ}36'45''$  East, a distance of 1,333.43 feet to the Point of Beginning.

AKA Tract 3, Acorn Creek Ranch Estates

Exhibit "A"

Rec. # 372431