

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

For Office Use only RECEIVED

JAN 17 1996

WATER RESOURCES STATE ENGINEER 210

1. WELL PERMIT NUMBER #190429

2. OWNER NAME(S) BRUCE ADAMS Mailing Address 2231 Williams Lane City, St. Zip Craig, CO 81625 Phone (970) 824-5005

3. WELL LOCATION AS DRILLED: NE 1/4 NE 1/4, Sec. 33 Twp. 7 N, Range 90 W DISTANCES FROM SEC. LINES: 267 ft. from North Sec. line. and 500 ft. from East Sec. line. SUBDIVISION: HIGH MEADOWS SUBDIVISION LOT 10 BLOCK FILING(UNIT) STREET ADDRESS AT WELL LOCATION: 900 Johnson Rd.

4. PUMP DATA: Type SUBMERSIBLE Installation Completed 8-09-95 Pump Manufacturer GOULDS Pump Model No. 7GS10412 Design GPM 7 at RPM 3450, HP 1, Volts 230, Full Load Amps 10.9 Pump Intake Depth 386 Feet, Drop/Column Pipe Size 1 Inches, Kind Sch. 80-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.

Date 8-09-95 Total Well Depth 401 1/2' Time 2 hr. Static Level 34' Rate (GPM) 10 Date Measured 8-09-95 Pumping Lvl. 225'

7. DISINFECTION: Type CALCIUM HYPOCHLORITE Amt. Used 11 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 HOWARD'S AQUA SYSTEMS Phone (970) 824-7053 Lic. No. 1093 Mailing Address 351 School Street Craig, CO 81625

Name/Title (Please type or print) Signature Date HOWARD W RITCHIE- OWNER Howard W. Ritchie 12-29-95

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

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AUG 23 '95

WATER RESOURCES
STATE ENGINEER
COLO

1. WELL PERMIT NUMBER MH 26156 190429

2. OWNER NAME(S) Bruce Adams
Mailing Address 2231 William Lane
City, St. Zip Craig, CO 81625
Phone (970) 824-5005

3. WELL LOCATION AS DRILLED: NE 1/4 NE 1/4, Sec. 33 Twp. 7 N, Range 90W 6th pm
DISTANCES FROM SEC. LINES:
_____ ft. from _____ Sec. line. and _____ ft. from _____ Sec. line. OR
(north or south) (east or west)
SUBDIVISION: Johnson High Meadows LOT 10 BLOCK _____ FILING(UNIT) _____
STREET ADDRESS AT WELL LOCATION: _____

4. GROUND SURFACE ELEVATION _____ ft. DRILLING METHOD Rotary
DATE COMPLETED 8/6/95 TOTAL DEPTH 400 ft. DEPTH COMPLETED 400 ft.

5. GEOLOGIC LOG:

Depth	Description of Material (Type, Size, Color, Water Location)
0-40	Brown Woby
40-60	Gray shale + Brown Sandstone
60-70	Soapstone + brown Sandstone
80-200	Soapstone + gray shale
200-210	Soap Stone, brown Clay, little sand some hard gray shale
210-220	same stringers of hard brown shale
220-230	soap stone, stringers of gray sands and stringers of black shale
230-260	soap stone, some gray and black water sands and stringers of brown Sand/Clay
260-400	gray soap stone and black sand, stringers of black shale

6. HOLE DIAM. (in.) From (ft) To (ft)

2 in	0	20
1 7/8	20	400

7. PLAIN CASING

OD (in)	Kind	Wall Size	From (ft)	To (ft)
8 in	Steel	1/88	0	20
5	PVC	Sched 80	0	340
5	PVC	Sched 80	380	400

PERF. CASING: Screen Slot Size: 0.22
5 PVC Sched 80 340 380

8. FILTER PACK:
Material gravel
Size 3/8" washed
Interval 400-20 ft.

9. PACKER PLACEMENT:
Type _____
Depth _____

10. GROUTING RECORD:
Material Amount Density Interval Placement
Cement 50acks 20-9ft by hand

REMARKS: Best water at 360 in a little more water sands

11. DISINFECTION: Type _____ Amt. Used _____

12. WELL TEST DATA: Check box if Test Data is submitted on Form No. GWS 39 Supplemental Well Test.
TESTING METHOD bailed open hole
Static Level 45 ft. Date/Time measured 8/6/95 / 1 hr. Production Rate 8 gpm.
Pumping level _____ ft. Date/Time measured Still being tested Test length (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 Lt L Drilling Phone (970) 824-7711 Lic. No. 1089
Mailing Address 961 Colo St Craig Co 81625

Name/Title (Please type or print) Larry A Haggerty Sr. / Driller Signature Larry A Haggerty Sr. Date 8/7/95

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3561

WELL PERMIT NUMBER **190429**
DIV. 6 CNTY. 41 WD 44 DES. BASIN MD

APPLICANT

Lot: 10 Block: Filing: Subdlv: JOHNSON HIGH MEADOWS

BRUCE ADAMS
2231 WILLIAMS LN
CRAIG CO 81623-

(970)824-5005

APPROVED WELL LOCATION
MOFFAT COUNTY

NE 1/4 NE 1/4 Section 33
Twp 7 N RANGE 90 W 6th P.M.

DISTANCES FROM SECTION LINES

267 Ft. from North Section Line
500 Ft. from East Section Line

PERMIT TO USE AN EXISTING 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 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)(b)(I).
- 4) Approved for the installation of a pump in, and the use of, an existing well, constructed on August 6, 1995, to a depth of 400 feet, under monitoring hole notice MH-26156, acknowledged July 20, 1995.
- 5) The use of ground water from this well is limited to fire protection, ordinary household purposes inside one (1) single family dwelling, the irrigation of not more than one (1) acre of home lawns and gardens and the watering of domestic animals. This well is to be located on a 35 acre tract described as lot 10, Johnson High Meadows division of land.
- 6) The maximum pumping rate shall not exceed 15 GPM.
- 7) The average annual amount of ground water to be appropriated shall not exceed 1.5 acre-feet.
- 8) This well shall be constructed not more than 200 feet from the location specified on this permit.

SRC
10/4/95

APPROVED
TLC

Hal D. Simpson
State Engineer

Receipt No. 0389882

DATE ISSUED

QC1 Q 5 1995

Thomas R. ...
By

EXPIRATION DATE

OCT 05 1997

25
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

RECEIVED

AUG 2 1985

WATER RESOURCES
STATE ENGINEER
COLORADO

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. _____
(X) OTHER mh 26156
WATER COURT CASE NO. _____

(1) APPLICANT - mailing address

NAME Bruce Adams
STREET 2231 Williams Lane
CITY COON Co. CO (State) 80225 (Zip)
TELEPHONE NO. 970 824 9000

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 389882
Basin _____ Dist. _____

(2) LOCATION OF PROPOSED WELL

County Moffat
NE 1/4 of the NE 1/4, Section 33
Twp. 7 N, Rng. 90 W, 6th P.M.
(N.S) (E.W)

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.

non crit. per ch. 615T

*Existing - MH-26156; 8/6/95 depth 400'
Ack. 7/20/95*

*well look - 3 entries in 10' - 20' MH-26156
Lot 10, Johnson High Meadows this app. 7/24/95
350'*

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 16 gpm
Average annual amount of ground water to be appropriated (acre-feet): 1.5
Number of acres to be irrigated: 1
Proposed total depth (feet): 400'
Aquifer ground water is to be obtained from:
unknown

Owner's well designation adams well

GROUND WATER TO BE USED FOR:

- () HOUSEHOLD USE ONLY - no irrigation (0)
- (X) 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 LEL Drilling
Street 961 4th St.
City COON Co. CO (State) 80225 (Zip)
Telephone No. 824-7711 Lic. No. 1089

APPLICATION APPROVED

PERMIT NUMBER _____

DATE ISSUED _____

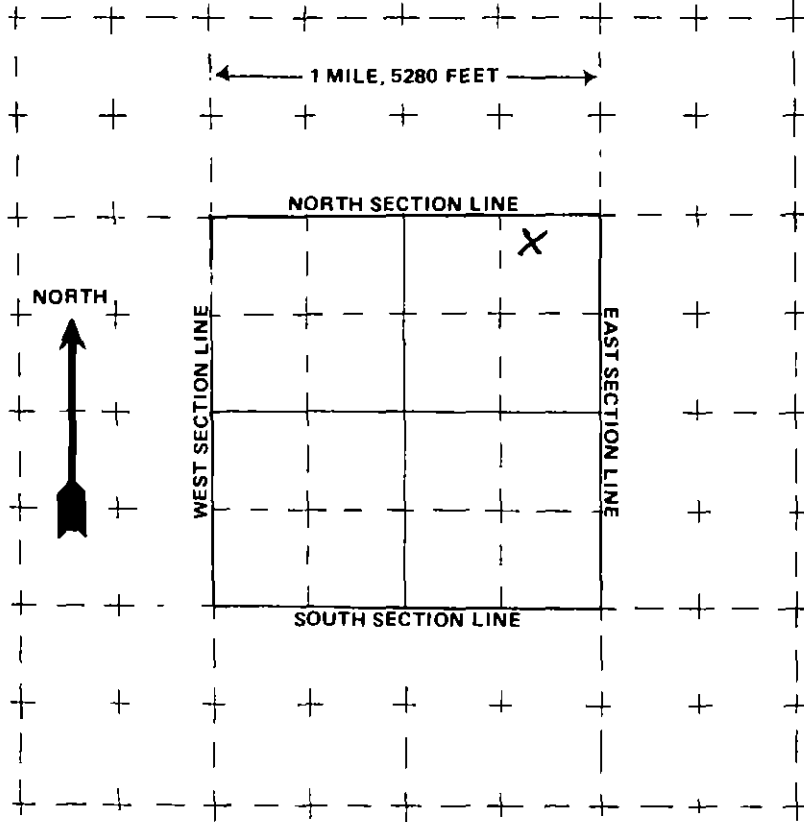
EXPIRATION DATE _____

(STATE ENGINEER)

BY _____

I.D. 6 COUNTY 41 - 44 7

(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.

267 ft. from North (north or south) sec. line
500 ft. from East (east or west) sec. line

LOT 10 BLOCK _____ FILING # _____
SUBDIVISION Johnson High Meadows

(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: Bruce & Mary Adams

No. of acres 35 Will this be the only well on this tract? yes

(8) PROPOSED CASING PROGRAM

Plain Casing
6" in. from +1 ft. to 20 ft.
5" in. from 0 ft. to 340 ft.
Perforated casing
6" in. from 340 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:

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

Owner(s): Bruce & Mary Adams No. of acres: 35

Legal description: lot 10 Johnson High Meadows NE 1/4 NE 1/4 SW 33 T7N R40W 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.

domestic use with no. co. approved septic & leach field

(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>		

NONE

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

SIGNATURE OF APPLICANT(S)

**DIVISION VI CHECKLIST
EXEMPT WELL PERMIT APPLICATIONS**

RECEIVED

AUG 23 '95

WATER RESOURCES
STATE ENGINEER
COLORADO

NAME OF APPLICANT

Bruce Adams

- ✓ Application typed or neatly printed in black ink
- ✓ Correct boxes checked for appropriate action
- || Previous permit number correct for replacement well
- || Court case number for decreed wells
- || Field Inspection completed and attached for late registration

(1) Applicant Name and Mailing Address

- ✓ Applicant information legible, current, and complete.
- ✓ Local telephone number

(2) Location of Proposed Well

- ✓ Information legible, accurate, and complete
- ✓ Information consistent with items (5) and (6)
*In irregular sections, distances and 1/4 1/4 must be measured from SE corner of section

(3) Water Use and Well Data

- ✓ Proposed pumping rate (15 gpm maximum)
 - ✓ Amount of appropriation (appropriate for use)
 - ✓ Acres irrigated, (matches type of well applied for)
 - ✓ Proposed total depth
 - ✓ Aquifer information ("unknown" if not sure)
 - ✓ Owners well designation (optional)
 - ✓ Non-overappropriated area, appropriate uses checked
 - || Overappropriated area
- Domestic or livestock use, must have 35 acres (include legal metes & bounds)
 - Household use, less than 35 acres, subdivided before June 1, 1972
 - Exempted by County, copy of exemption attached
 - Exempt Commercial, (no outside use)
 - Court approved Plan for Augmentation
 - State Engineer approved Substitute Supply Plan

(4) Driller

- ✓ Designated driller, license number, address, telephone number
- || Colorado Licensed

✓ Division 6 County Code 44 District No. 44

(5) Location of Proposed Well (map)

- ✓ Information consistent with items (2) and (5)

(6) Location of Proposed Well (distance from section lines)

Information consistent with items (2) and (5)
 Subdivision Information complete if applicable

(7) Tract on Which Well Will Be Located

Information completed.
* If not the only well on the tract, complete item (12)
* If overappropriated, limited to one well per 35 acres (check for other wells in same 1/4 1/4)

(8) Proposed Casing Program

Minimum casing size of 4" Inside Diameter
 Solid steel surface casing 1' above ground to 20'
 Variance request letter and diagram attached if applicable

(9) Replacement Wells

Information completed when applicable
* Distance from old well and plugged and abandoned "According to Rules"

(10) Land on Which Groundwater Will Be Used

Information completed for irrigation wells
* Can be used to describe only well on 35+ acres (map or metes and bounds)

(11) Detailed Description of Use

Completed in detail
* Specify uses, i.e. number of houses to be served, household use only, with county approved septic system, or stockwater, irrigation etc.)

(12) Other Water Rights

Completed when applicable (if Item (7) is no, include permit number)

(13) Signature Line

Signed and dated by applicant or agent
 Written authorization for agent's signature (attached)

(14) Comments

Application fee attached: Check # ^{M.O.} 113289506 Amount \$ 60

Legal Description (metes and bounds) attached

Application taken by: Stephen C. Peters

Application checked by: Edward W. Blank

8/22/95
Date to Denver