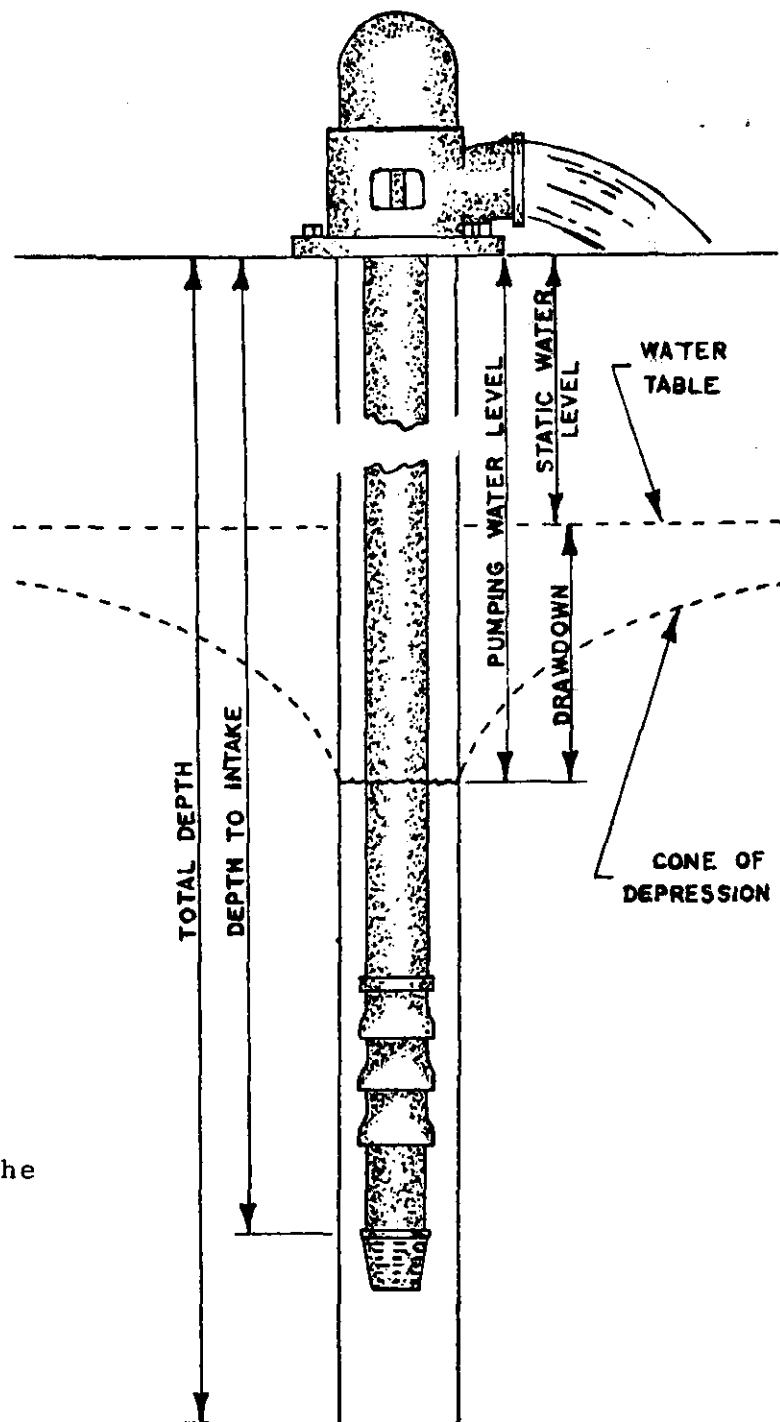


PUMP INSTALLATION REPORT

Pump Make Jacuzzi
Type 3 wire submersible
Powered by 230V HP 3/4
Pump Serial No. 8D907 model-7BS410-11-S2
Motor Serial No. B89
Date Installed July 27, 1989
Pump Intake Depth 240'
Remarks _____



WELL TEST DATA WITH PERMANENT PUMP

Date Tested _____
Static Water Level Prior to Test _____
Length of Test _____ Hours
Sustained yield (Metered) _____ GPM
Pumping Water Level _____

Remarks The maximum pumping rate of the above installed pump @ 240' pumping water level is 6 gallons per minute.

CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature Lloyd H. Miller

License No. 675

State of Colorado, County of Boulder SS

Subscribed and sworn to before me this 8 day of August, 1989.

My Commission expires: July 3, 1990.

Notary Public Lori English
1333 Yarmouth Ave. Boulder, CO 80304



FORM TO BE MADE OUT IN QUADRUPPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.

WIDE AD

COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818
Denver, Colorado 80203

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 151255

THIS FORM MUST BE SUBMITTED
WITHIN 60 DAYS OF COMPLETION
OF THE WORK DESCRIBED HERE-
ON. TYPE OR PRINT IN BLACK
INK.

RECEIVED

JUN 21 1988

ENG. RESOURCES
122 ENGINEER
6010

WELL OWNER Joseph & Patricia Harper SW 1/4 of the SE 1/4 of Sec. 18

ADDRESS 4519 Weld Cty. Rd. 32 Longmont, CO 80501 T. 4 N, R. 70 W, 6 P.M.

DATE COMPLETED June 16, 19 88

HOLE DIAMETER

9 in. from 0 to 20 ft.

6 in. from 20 to 260 ft.

 in. from to ft.

DRILLING METHOD Air

CASING RECORD: Plain Casing

Size 6 5/8" & kind Steel from +1 to 20 ft.

Size 4" & kind PVC from 10 to 200 ft.

Size & kind from to ft.

Perforated Casing

Size 4" & kind PVC from 200 to 260 ft.

Size & kind from to ft.

Size & kind from to ft.

GROUTING RECORD

Material Cement

Intervals 7 to 20 ft.

Placement Method Poured

GRAVEL PACK: Size

Interval

TEST DATA

Date Tested June 16, 19 88

Static Water Level Prior to Test 40 ft.

Type of Test Pump Blow

Length of Test One Hour

Sustained Yield (Metered) 30 GPM

Final Pumping Water Level 260 ft.

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	1ft.	Dirt	
1	148ft.	Red Sandstone	153ft.
148	184ft.	Red Granite	
184	187ft.	Limestone	185ft.
187	260ft.	Red Sandstone	
TOTAL DEPTH <u>260 ft.</u>			

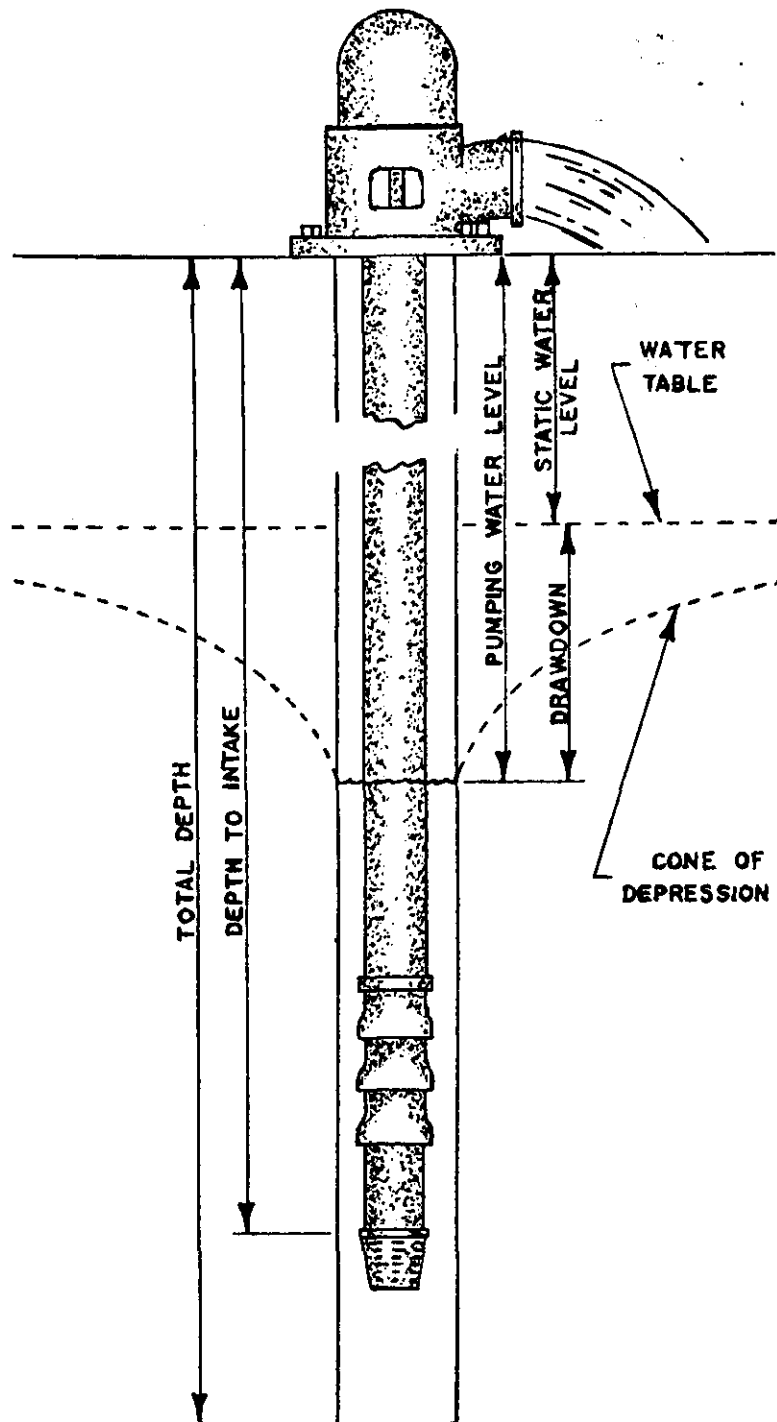
Use additional pages necessary to complete log.

PUMP INSTALLATION REPORT

Pump Make N/A
 Type _____
 Powered by _____ HP _____
 Pump Serial No. _____
 Motor Serial No. _____
 Date Installed _____
 Pump Intake Depth _____
 Remarks _____

WELL TEST DATA WITH PERMANENT PUMP

Date Tested _____
 Static Water Level Prior to Test _____
 Length of Test _____ Hours
 Sustained yield (Metered) _____ GPM
 Pumping Water Level _____
 Remarks _____



CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature Hersh & Son Well Drilling by *[Signature]* License No. 414

State of Colorado, County of Larimer SS

Subscribed and sworn to before me this 2 day of September, 19 88.

My Commission expires: April 1, 19 91.

Notary Public *Brenda J. Hersh*

FORM TO BE MADE OUT IN QUADRUPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.

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

PERMIT APPLICATION FORM

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

RECEIVED**MAY 12 1988**

WATER RESOURCES
STATE ENGINEER
COL.

- (☒) 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. _____

05-12-88 12:15 P

032472 60.00

NW008 P0011

TTL 60.00

CHEQUE 60.00

(1) APPLICANT - mailing address

NAME Joseph & Patricia Harper
STREET 4519 Weld City Rd 32
CITY Longmont Colo 80501
(State) (Zip)
TELEPHONE NO. 535-4561

(2) LOCATION OF PROPOSED WELL

County Larimer
SW ¼ of the SE ¼, Section 18
Twp. 4 N, Rng. 70 W, 6 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: 1
Proposed total depth (feet): 300
Aquifer ground water is to be obtained from:
Sandstone & Granite

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 Harry Hersh & Son
Street 9181 N City Rd 38 E
City Loveland Colo 80537
(State) (Zip)
Telephone No. 667-4096 Lic. No. 414

FOR OFFICE USE ONLY DO NOT WRITE IN THIS COLUMN

Receipt No. 87685 CL-1/ 847685
ITM 1

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.

ISSUANCE OF THIS PERMIT DOES NOT CONFER A DECREED WATER RIGHT

1) APPROVED PURSUANT TO CRS 37-92-602(3)(b)(II) AS THE ONLY WELL ON A TRACT OF LAND OF 39 ACRES DESCRIBED AS THE SW 1/4 OF THE SE 1/4 OF SECTION 18, T4N, R70W OF THE 6TH P.M., LARIMER COUNTY.

2) THE USE OF GROUND WATER FROM THIS WELL IS LIMITED TO FIRE PROTECTION, ORDINARY HOUSEHOLD PURPOSES INSIDE ONE SINGLE FAMILY DWELLING, THE IRRIGATION OF NOT MORE THAN ONE ACRE OF HOME GARDENS AND LAWNS, AND THE WATERING OF DOMESTIC ANIMALS.

3) THE RETURN FLOW FROM THE USE OF THE WELL MUST BE THROUGH AN INDIVIDUAL WASTEWATER DISPOSAL SYSTEM OF THE NON-EVAPORATIVE TYPE WHERE THE WATER IS RETURNED TO THE SAME STREAM SYSTEM IN WHICH THE WELL IS LOCATED. GRC 5/24/88

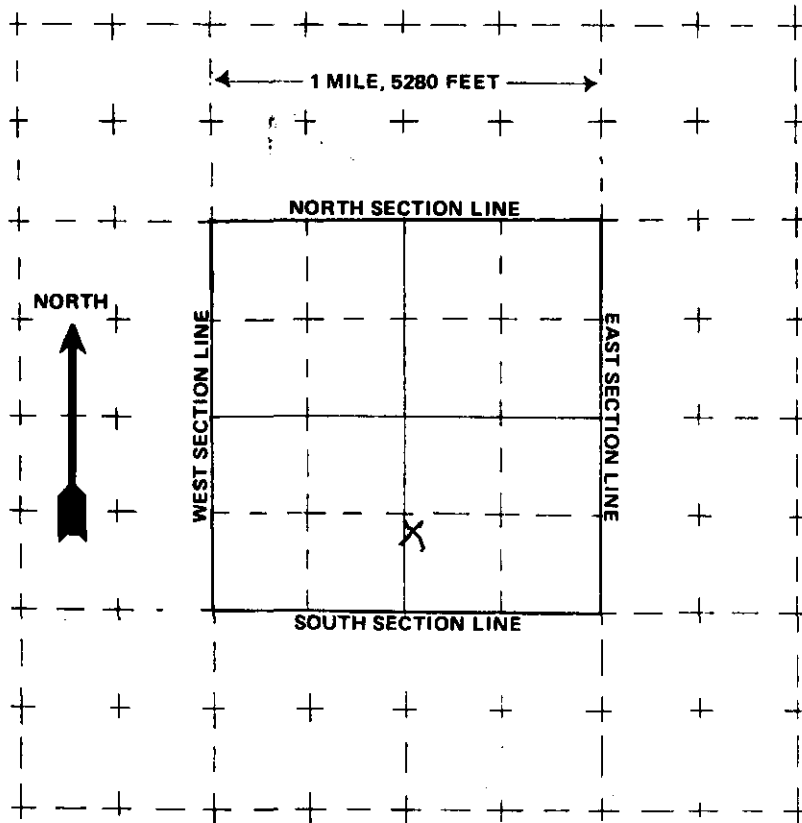
4) THE STATUTE REFERENCE IN CONDITION NO. 1 IS AMENDED TO BE CRS 37-92-602(3)(b)(II)(A). mfw 6-6-88

APPLICATION APPROVEDPERMIT NUMBER 151255DATE ISSUED MAY 25 1988EXPIRATION DATE MAY 25 1990

John A. Danielson
(STATE ENGINEER)

BY [Signature]I.D. 1-04 COUNTY 35

(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.

900 ft. from South (north or south) sec. line
2600 ft. from East (east or west) sec. line

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION Not a Sub

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

No. of acres 39 ± 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 in. from 10 ft. to 150 ft.

Perforated casing

4 in. from 150 ft. to 300 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): Joseph & Patricia Harper No. of acres: 39 ±

Legal description: SW 1/4 of SE 1/4 of Sec 18 Twp 4N Rng 70W 6PM

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

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

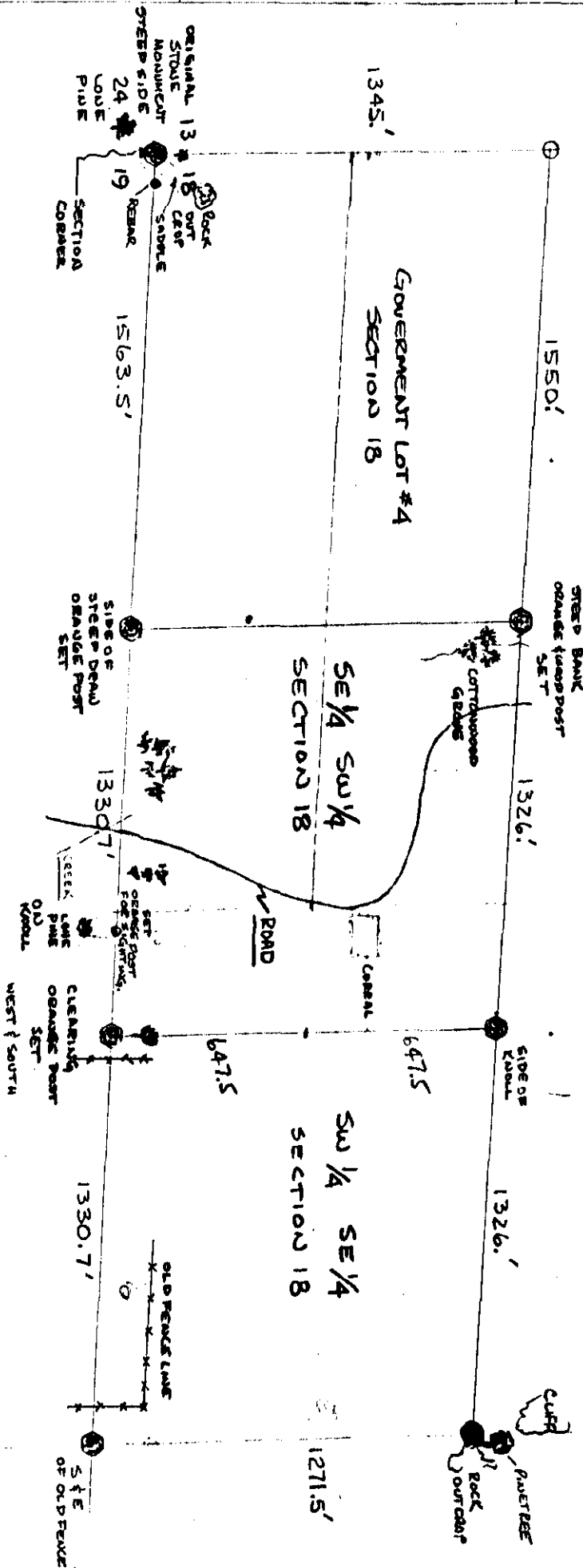
Type or right	Used for (purpose)	Description of land on which used
<u>None</u>		

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

Joseph W. Harper, Patricia A. Harper
SIGNATURE OF APPLICANT(S)

**WATER RESOURCES
STATE - ENGINEER
COLD.**

COVOTE COUNTRY
SECTION 18 TWP 4N
RANGE 70W.
LARIMER COUNTY



ROY ROMER
Governor



JERIS A. DANIELSON
State Engineer

OFFICE OF THE STATE ENGINEER
DIVISION OF WATER RESOURCES

1313 Sherman Street-Room 818
Denver, Colorado 80203
(303) 866-3581

NOTICE

WELL PERMIT NO. 151255

Enclosed is an amended owner's copy of your well permit. It was necessary to amend your well permit due to changes in the law that went into effect of May 17, 1988, when the Governor Signed House Bill 1111.

The only change to your well permit is the statute reference in condition of approval no. 1. Please dispose of the original copy and retain the amended copy for your records. Additional copies can be purchased from our Records Section for 50 cents per page should you misplace your copy.

If you have any questions, feel free to contact the Ground Water Information Desk at (303) 866-3584.

NOTICE SENT 6-6-88, BY mfu.