

E 3-16-78

# COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818

Denver, Colorado 80203

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

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 97442-A

RECEIVED

JUL 29 1980

 WATER RESOURCES  
STATE ENGINEER  
D.O.D.
WELL OWNER Charles J. Miller SW % of the SE % of Sec. 19ADDRESS 300 E. Harmony Rd. # 68-Ft. Collins, Co. T. 7 N R. 61 W 6 P.M.DATE COMPLETED 5-31-80, 19 HOLE DIAMETER7-7/8 in. from 0 to 303 ft.

## WELL LOG

From	To	Type and Color of Material	Water Loc.
0	5	Clay & Surface	
5	9	Weathered Shale	
9	14	Oily Shale w/Specks of Coal	
14	17	Hard Blue Shale	
17	35	Weathered Shale w/Brown Sand	
35	38	Blue Shale	
38	42	Oily Shale w/Coal Streak	
42	54	Soft, Brown Sandstone	
54	55	Oily Shale	
55	62	Sandstone	
62	63	Oily Shale	
63	70	Sand	
70	81	Sandy Blue Sandstone	
81	87	Soft, Blue Sandstone	
87	118	Shale w/Sticky Wht. Sand Streak	
118	125	Soft, Gray Sandstone	
125	151	Shale	
151	174	Firm, Gray Sandw/Shale Streak	
174	174.5	Hard Gray Rock	
174.5	183	Gray Sandstone	
183	184	Oily Shale	
184	197	Gray Sandstone w/Coal Streak	
197	223	Oily Shale w/Gray Sandstone	
223	257	Shale w/Sandstone Streaks	
257	276	Med. to Hard Sandstone	
276	303	Med. to Hard Gray Sandstone w/ Hard Sticky Shale	
TOTAL DEPTH <u>303'</u>			

Use additional pages necessary to complete log.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

DRILLING METHOD Standard RotaryCASING RECORD: Plain CasingSize 5 & kind Plastic from 0 to 193 ft.5 Plastic 213 233Size 5 & kind Plastic from 253 to 273 ft.Size 5 & kind Plastic from 293 to 303 ft.

## Perforated Casing

Size 5 & kind Plastic from 193 to 213 ft.Size 5 & kind Plastic from 233 to 253 ft.Size 5 & kind Plastic from 273 to 293 ft.

## GROUTING RECORD

Material CementIntervals 0 - 20' & 151 - 167'Placement Method Poured & PumpedGRAVEL PACK: Size 3/8"Interval 20 - 151 & 167 - 303'

## TEST DATA

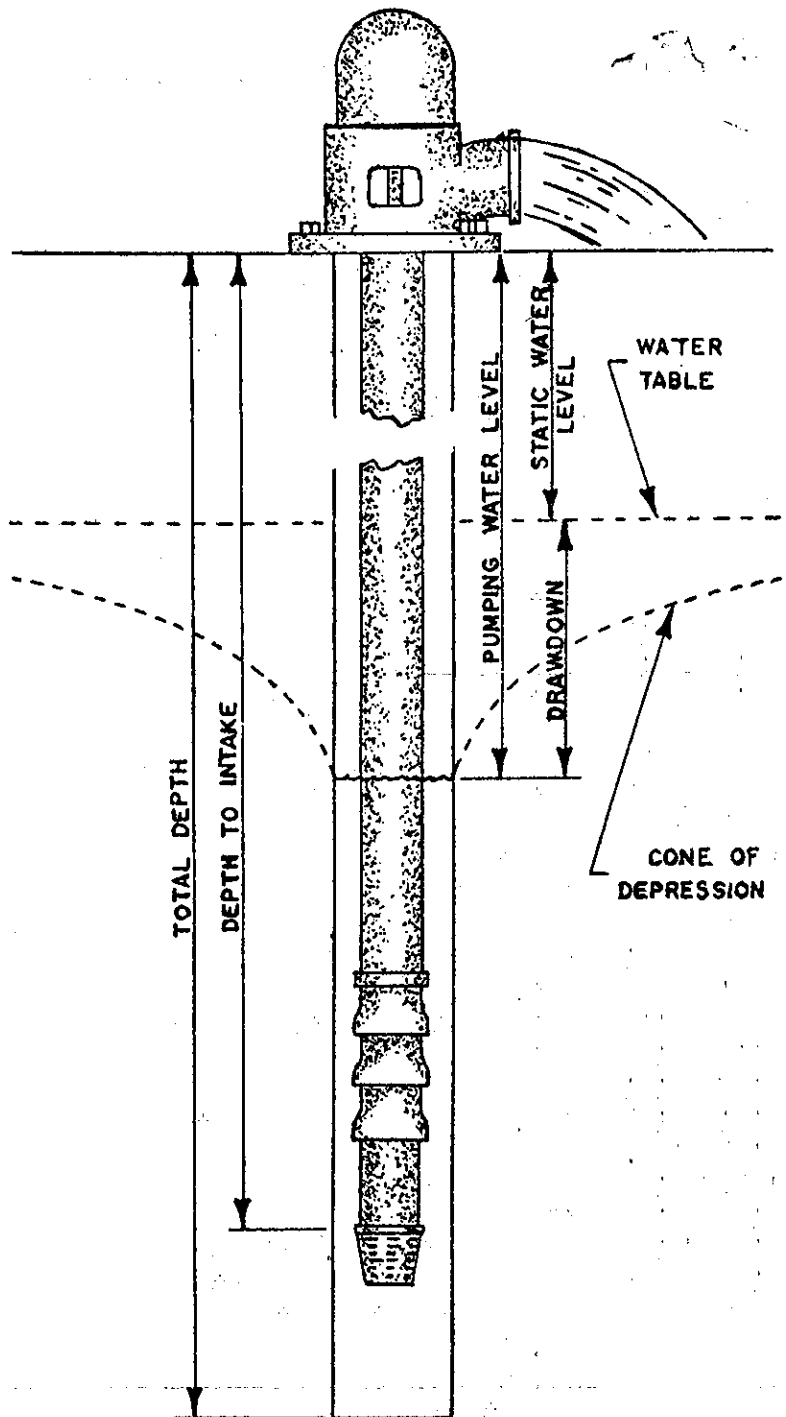
Date Tested 5-31-80, 19Static Water Level Prior to Test Unknown ft.Type of Test Pump BalerLength of Test 2 HoursSustained Yield (Metered) 10 GPMFinal Pumping Water Level 128'

# PUMP INSTALLATION REPORT

Pump Make Unknown  
 Type \_\_\_\_\_  
 Powered by \_\_\_\_\_ HP \_\_\_\_\_  
 Pump Serial No. \_\_\_\_\_  
 Motor Serial No. \_\_\_\_\_  
 Date Installed \_\_\_\_\_  
 Pump Intake Depth \_\_\_\_\_  
 Remarks Pump to be installed later

## WELL TEST DATA WITH PERMANENT PUMP

Date Tested Pump to be installed later  
 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 [Signature] License No. 21

State of Colorado, County of Weld SS

Subscribed and sworn to before me this 27<sup>th</sup> day of July, 1980.

My Commission expires: My commission expires July 29, 1980.

Notary Public Alita Burnham

**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.

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

**RECEIVED**  
**APR 03 '78**  
WATER RESOURCES  
STATE ENGINEER  
COLO.

**RECEIVED**  
**APR 03-24**  
**MAR 16 '78**  
WATER RESOURCES  
STATE ENGINEER  
COLO.

PR OK X S-O

**(1) APPLICANT - mailing address**

NAME Charles J. & Roberta Jean Miller  
STREET 300 E. Harmony Road # 68  
CITY Ft. Collins, Colorado 80521  
(State) (Zip)  
TELEPHONE NO. 226-0659

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN/locok

Receipt No. 90918 AR  
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.

**APPROVED AS A REPLACEMENT OF WELL NO. 97442. THE EXISTING WELL MUST BE PLUGGED AND ABANDONED ACCORDING TO THE REVISED AND AMENDED RULES AND REGULATIONS FOR WATER WELL AND PUMP INSTALLATION CONTRACTORS. THE ENCLOSED AFFIDAVIT MUST BE SUBMITTED WITHIN SIXTY (60) DAYS AFTER THE CONSTRUCTION OF THE NEW WELL, AFFIRMING THAT WELL NO. 97442 WAS PLUGGED AND ABANDONED.**

PERMIT EXPIRATION DATE EXTENDED TO:  
APRIL 10, 1981 *In 2 May '80*

**(2) LOCATION OF PROPOSED WELL**

County Weld  
SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$ , Section 19  
Twp. 7 N, Rng. 61 W, 6 P.M.  
(N,S) (E,W)

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

Proposed maximum pumping rate (gpm) 50  
Average-annual amount of ground water to be appropriated (acre-feet): 2  
Number of acres to be irrigated: Less than one  
Proposed total depth (feet): 350  
Aquifer ground water is to be obtained from:  
Larimie Shale  
Owner's well designation Domestic

**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)

**(4) DRILLER**

Name Lesh Drilling Inc.  
Street Box 56  
City Ault, Colorado 80610  
(State) (Zip)  
Telephone No. 834-2868 Lic. No. 21

**APPLICATION APPROVED**

PERMIT NUMBER 97442-A  
DATE ISSUED APR 10 1978  
EXPIRATION DATE APR 10 1980  
*Bruce E. DeBune*  
DEPUTY (STATE ENGINEER)  
BY *[Signature]*  
I.D. 1-01 COUNTY 62