

JERRY SCHEIBLE
STAFF ENGINEER
MISSOURI PUBLIC SERVICE COMMISSION
P.O. BOX 360
JEFFERSON CITY MO 65102

RECEIVED

SEP 10 2008

UTILITY OPERATIONS
DIVISION

RE: WOODLAND ACRES WATER SYSTEM, WA2009-0031

DEAR MR SCHEIBLE

INCLOSED ARE THE RECOMMENDATIONS THAT YOU HAVE REQUESTED, HOPEFULLY ITS ENOUGH TO ISSUE A CERTIFICATE OF CONVENIENCE AND NECESSITY TO PROVIDE WATER SERVICE.

DESCRIPTION OF COMPANY, WOODLAND ACRES WATER SYSTEM. PLATS SHOWING WHERE EXISTING WATER LINES, WELLS AND EXISTING WATER CONNECTIONS ARE.

EXISTING FACILITIES, THERE ARE TWO (2) STATE APPROVED MULTI-FAMILY WELLS, AND APPROX. FIFTYTHOUSAND SIX HUNDRED FEET OF TWO (2) INCH WATER LINE. APPROX. COST TO INSTALL WAS \$18,000.00 DOLLARS. WATER SYSTEM IS COMPLETED, AS OF JULY 2004.

TYPE OF EXISTING DWELLINGS, AT THE PRESENT TIME THERE ARE TEN (10) MOBILHOMES AND THREE (3) CONSTRUCTED HOMES. FULL TIME LIVING POPULATION AT THIS TIME IS FIFTEEN (15) PEOPLE. ALSO AT THIS TIME THERE ARE FIVE PART TIME RESIDENTS THAT ARE USED FIVE (5) TO SIX (6) WEEKENDS PER YEAR, WHICH HAS TWO (2) PEOPLE PER RESIDENT, MAJORITY OF THE OWNERS WITHIN THE DEVELOPMENT ARE RETIRED, OLD ENOUGH THAT THEIR KIDS ARE GROWN.

OVER THE NEXT THREE YEARS I EXPECT ONE OR TWO MORE RESIDENTS WITHIN THE SUBDIVISION, SEVERAL OWNERS DRILL THEIR OWN WELLS, SO DONT EXPECT THAT WE WILL EVER HAVE MORE THAN SEVENTEEN TO EIGHTEEN HOMES USING THIS WATER SYSTEM, OR MORE THAN THIRTY PEOPLE USING THE WATER.

THERE IS NO WAY TO KNOW HOW MUCH WATER IS USED PER RESIDENT, WE HAVE NO METERS. BOTH WELLS ARE TIED TOGETHER, BETWEEN BOTH WELLS THEY PUMP FIFTY (50) GALLONS PER MINUTE, EACH WELL HAS A SIXTY GALLON BLADDER TANK, WE HAVE NEVER BEEN WITHOUT WATER PRESSURE. EACH RESIDENT HAS ITS OWN SEPTIC SYSTEM, THAT HAS BEEN APPROVED BY THE ST CLAIR COUNTY HEALTH DEPARTMENT. BOTH WELLS ARE 150 TO 200 FEET FROM ANY SEPTIC.

AS OF THIS DATE NO ONE HAS BEEN CHARGED A CONNECTION FEE. THE EXISTING YEARLY RATES FOR WATER USEAGE IS \$225.00 DOLLARS PER YEAR, PER CUSTOMER.

CURRENT GROSS INCOME FROM THE WATER SYSTEM, IS \$2,925.00 DOLLARS PER YEAR, AN AVERAGE OF \$18.75 PER MONTH. ALL LOTS HAVE BEEN SOLD, HAVE NO KNOWLEDGE OF ANYONE PLANING TO PLACE A RESIDENT WITHIN THE DEVELOPMENT, SO ITS HARD TO ESTIMATE IF THERE WILL BE AN INCREASE IN THE WATER INCOME. SINCE SOME OWNERS DRILL OWN WELLS.

OPERATING EXPENSES, ITS HARD TO SAY WHAT EXPENSES WILL ACCRUE, SOME YEARS THERE WILL BE ONLY THE ELECTRIC EXPENSES TO RUN THE WELLS, WHICH WAS \$968.00 DOLLARS FOR 2007, BUT IN 2006 I HAD TO REPLACE A PUMP AND REPAIR TWO LINE BREAKS, WHICH COST \$1,960 DOLLARS.

OPERATOR NAME: JERRY REED IS RESPONSIBLE FOR MAINTAINING THE WATER SYSTEM AND SENDING WATER SAMPLES TO DNR EACH MONTH.

THERE IS NO CONTRACTS WITH THE WATER CUSTOMERS, AND NO METERS, WATER SERVICE TO WOODLAND ACRES CUSTOMERS IS FOR THE CONVENIENCE OF THE CUSTOMERS, ITS NEVER BEEN FOR A PROFFIT BUSINESS. IF THERE IS ANYTHING ELSE YOU NEED PLEASE CALL.

JERRY REED
WOODLAND ACRES WATER SYSTEM

417-644-2358

JERRY REED DBA WOODLAND ACRES WATER SYSTEM

2 CERTIFIED MULTI-FAMILY WELLS, PUMPS 50 GAL. MIN.

APPROX. 6,000 FT. OF 2" LINES. BOTH WELLS TIED

TOGETHER, IF ONE GOES DOWN, WILL HAVE THE OTHER

FOR BACK UP SO NO ONE WILL BE WITHOUT WATER.

...AND A TOTAL OF 12 HOURS AT THE PRESENT TIME.

HAVE A TOTAL OF 13 HOOK UPS AT THE PRESENT TIME.
DOTS WITH BLACK DOTS ARE FULL TIME RESIDENTS. BLACK DOTS

LOUIS WITH BLACK DOTS ARE FULL TIME RESIDENTS.
WITH RED CIRCLES ARE PART TIME RESIDENTS.

DON'T EVER EXPECT TO HAVE MORE THAN 17 HOOK UPS IN THE FUTHER.

THE LOTS OUTLINED IN PINK ARE SERVICED BY WELLS NOT AFFILIATED

WITH WOODLAND ACRES WATER SYSTEM.

THERE ARE 35 LOTS WITHIN THE DEVELOPMENT, BUT ONLY 25 OWNERS, DUE TO SEVERAL OWNERS OWNING MORE THAN ONE LOT.

BLUE NUMBERS REPRESENTS NUMBER OF PEOPLE LIVING IN EACH RESIDENT.

ALL WATER LINES ARE INSTALLED NEXT TO THE ROADWAY, WHICH ARE HI-LIGHTED GERN.

Well #1



Matt Blunt, Governor • Doyle Childers, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

P.O. Box 250, Rolla, MO 65402-0250
(573) 368-2165
FAX(573) 368-2317

ERIC

file(PCD1)
06/20/2007

JERRY REED
7210 NE 1031 PRIVATE RD
LOWRY CITY, MO 64763

Re: 00150035

OFFICIAL DOCUMENT

Dear JERRY REED :

Congratulations! This letter confirms that your water well information has been reviewed and certified by the Missouri Department of Natural Resources.

Your well was certified as either a domestic or multi-family well. When you signed the certification form you agreed that the well would only be used for those purposes. Therefore, this well can not be used in any way to serve the public or provide water to more than 25 people per day or to 15 or more residences. For example, this well may not be used as a source of public drinking water for a restaurant, convenience store, church, day care facility, campground, factory, or any other facility that might provide water to more than 25 people per day. This includes but is not limited to, providing public water for drinking water fountains, soda fountains, or food washing/preparation, etc.

If your well is currently being used to serve the public in any way, or if you wish to begin using your well to serve the public, please contact this office immediately.

This letter should be filed with the well certification form you received from your permitted well driller or pump installer. Your certification number may be required in the future as proof of certification that your well was drilled in accordance with the Missouri Well Construction rules.

Your Well Certification Number: A052398

Reference Number: 00150035

Site address: (ORIGINAL) - RR 1 BOX 258E



Recycled Paper



MISSOURI DEPARTMENT OF
NATURAL RESOURCES
DIVISION OF
ENVIRONMENTAL QUALITY
(573) 368-2165

**DOMESTIC/MULTIFAMILY WELL RECORD
AND PUMP INFORMATION DATA**

Well # 1

| | |
|---|-----------------------------|
| REF NO 00150035 | DATE RECEIVED 09/11/1996 |
| CR NO | |
| STATE CERT NO APPROVED DATE A052398 01/16/1997 | CHECK NO. 7172 |
| DATE ENTERED PHASE 1 PHASE 2 PHASE 3 09/16/1996 01/01/1000 12/28/2005 | ROUTE PLT / PCD / PCD |
| | REVENUE NO. 888799 |

| | | |
|---|--------------------------------------|---|
| INFORMATION SUPPLIED BY WELL OR PUMP INSTALLATION CONTRACTOR | | DNR VARIANCE NUMBER |
| OWNER NAME JERRY REED | TELEPHONE (OPTIONAL) 417-644-2358 | CASING DEPTH NUMBER Applicable only if casing depth or variance were obtained from DNR |
| OWNER ADDRESS 7210 NE 1031 PRIVATE RD | CITY LOWRY CITY | STATE MO |
| ADDRESS OF WELL (IF DIFFERENT THAN ABOVE) (ORIGINAL) - RR 1 BOX 258E | CITY | STATE MO |

PROPOSED USE OF WELL SEE BACK OF FORM FOR WELL CLASSIFICATIONS

☐ WATER SUPPLY TO A PRIVATE RESIDENCE OR UP TO 3 PRIVATE RESIDENCES (DOMESTIC WELL)
☒ WATER SUPPLY TO 4 PRIVATE RESIDENCES OR UP TO 14 PRIVATE RESIDENCES AT A NON-COMMERICAL FACILITY (MULTIFAMILY WELL)
☐ WATER SUPPLY TO A CHURCH WITH A CONGREGATION LESS THAN 25 PEOPLE (DOMESTIC WELL-CHURCH)

WATER USE INFORMATION VERIFIED BY OWNER SIGNATURE Jerry Reed
ALL WELLS MUST PRODUCE LESS THAN 70 GPM TO THE SURFACE, SERVE LESS THAN 25 PEOPLE AND HAVE LESS THAN 15 CONNECTIONS-otherwise use high yield/public well record (SIGNATURE REQUIRED)
DATE: _____

CASING DETAILS

CASING LENGTH 80 FT. O.D. OF CASING 6.0 IN. DIAMETER OF DRILL HOLE 10.0 IN. CASING MATERIAL ☐ STEEL ☒ PLASTIC ☐ CONCRETE

POSITION OF GROUT SEAL ☐ BOTTOM ☒ FULL LENGTH ☐ TOP

CASING GROUT MATERIAL CEMENT ☒ TYPE 1 ☐ HI-EARLY BENTONITE ☐ SLURRY ☐ CHIPS GRANULAR ☐ PELLETS METHOD OF GROUT INSTALLATION ☐ GRAVITY ☐ POS. DIS. PLACEMENT ☐ OPEN HOLE ☐ TREMIE PRESSURE GROUT ☐ THROUGH CASING ☒ THROUGH TREMIE DRILLING SUSPENDED ☐ NO ☒ YES 72 HRS

NO. OF SACKS USED 23.0 POUNDS PER SACK 94

LINER DETAILS

LENGTH 240 FT. O.D. OF LINER 4.0 IN. LINER MATERIAL ☐ STEEL ☐ PLASTIC POSITION OF SEAL ☒ FULL LENGTH ☐ BOTTOM ☐ TOP

LINER GROUT MATERIAL CEMENT ☐ TYPE 1 ☐ HI-EARLY BENTONITE ☐ SLURRY ☐ CHIPS GRANULAR ☐ PELLETS METHOD OF GROUT INSTALLATION ☐ GRAVITY ☐ POS. DIS. PLACEMENT ☐ OPEN HOLE ☐ TREMIE LINER USED TO: ☒ HOLD BACK FORMATION ☐ SEAL OUT UNDESIRABLE AQUIFER CONDITIONS ☐ PREVENT RUST

NO. OF SACKS USED 0.0 POUNDS PER SACK ABANDONED WELL ON SITE? ☐ YES ☐ PLUGGED? ☐ YES

GPS LOCATION OF WELL

LAT. 38° 7' 10.5" LONG. 93° 35' 5.7" COUNTY ST CLAIR

| DEPTH FROM | TO | FORMATION DESCRIPTION |
|------------|-----|-----------------------|
| 0 | 25 | CLY |
| 25 | 175 | LS |
| 175 | 190 | SPST |
| 190 | 310 | LS |

DEPTH TO FIRST GROUNDWATER 0.0 FEET PUMP RATE 20.0 GPM
WELL YIELD 30.0 GPM PUMP SET DEPTH 240.0 FEET
STATIC WATER LEVEL 120.0 FEET PUMP INSTALLATION DATE
WELL COMPLETION DATE 07/24/1998 pump info required this record or on pump card

(OPTIONAL) ELEVATION 890 FT. LEGAL LOCATION (OPTIONAL) SE 1/4 SW 1/4 AREA A1
SEC. 20 TWN. 39 RANG. 24 W C DATA REQ'D ☐

OTHER INFORMATION OR LOCATION DATA (OPTIONAL)

HEREBY CERTIFY THE WELL/PUMP INFORMATION DESCRIBED HEREIN IS TRUE AND ACCURATE

| | | |
|--|-------------------------|------|
| PRIMARY CONTRACTOR SIGNATURE EDDIE BARNES | PERMIT NUMBER 001600 | DATE |
| WELL DRILLER SIGNATURE EDDIE BARNES | PERMIT NUMBER 001600 | DATE |
| PUMP INSTALLER SIGNATURE PAUL SCHUMAKER | PERMIT NUMBER 002621 | DATE |

DEPTH TO BEDROCK 0.0 FEET
TOTAL DEPTH 310.0 FEET

Well CERTIFICATION #
A052398



Missouri Department of Natural Resources
Division of Environmental Quality
Wellhead Protection Section

ERIC HOHL
TECHNICAL REPRESENTATIVE

P.O. Box 250, Rolla, MO 65402-0250
(573) 368-2168 Fax: (573) 368-2317
eric.hohl@dnr.mo.gov



WELL # 2

MISSOURI DEPARTMENT OF NATURAL RESOURCES



Division of Environmental Quality
P.O. Box 250 Rolla, MO 65402-0250
(573) 368-2165
Forwarding and
Address Service Requested

Official Document

FIRST CLASS
U. S. POSTAGE
PAID
Permit #215
Rolla, MO 65401

Dear Well Owner:

This confirms that your well information has been reviewed and certified by the Division of Environmental Quality in Rolla, Missouri.

This card should be filed with the Well Certification Record received from your permitted well driller or pump installer.

This card may be needed in the future as proof of certification that your well was drilled in accordance with the Missouri Well Construction rules.

A136469

Your well Certification Number is:

JERRY REED
7210 NE 1031
LOWRY CITY, MO 64763

RE:

0338557A

Site Name

0338557A

WASTEWATER APPROVAL

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Mel Carnahan, Governor • David A. Shott, Director

DIVISION OF ENVIRONMENTAL QUALITY

Southwest Regional Office

2040 W. Woodland, Springfield, MO 65807

(417)891-4300

FAX (417)891-4399

March 14, 1996

Mr. Jerry Reed
R & S Developing Inc
992 SE 87
Deepwater, MO 64740

Re: Woodland Acres Subdivision, St. Clair County

Dear Mr. Reed:

This approval letter supersedes the previous approval letter of February 22, 1996 which required a public water supply.

The Woodland Acres Subdivision as described below has received an acceptable geological evaluation. The subdivision is approved according to Missouri Clean Water Commission Regulation 10 CSR 20-6.030, Disposal of Wastewater in Subdivisions.

PROJECT DESCRIPTION:

Woodland Acres Subdivision - 40 lots, (23 lots greater than 3 acres) is a subdivision located on 115 acres in the E 1/2, SW 1/4, and NW 1/4, SE 1/4, Section 20, T39N, R24W, St. Clair County. Water supply for this development is provided by multi-family wells. Wastewater treatment and disposal is assumed to be individual septic tank & absorption field systems. However, please note that this approval does not guarantee that a suitable site for an on-site wastewater system is available on each lot.

Provided that the project remains as described in the project description, the project is hereby approved by the Department of Natural Resources. This approval is subject to the following conditions.

APPROVAL CONDITIONS:

R & S Developing, Inc., successors and assigns hereinafter referred to as "developer" shall take all action necessary which may include but is not limited to filing restrictive covenants and enforcing these covenants against individual lot owners to ensure the following:



RECYCLED PAPER

- a. Each individual sewage treatment system (hereinafter "system") shall be designed in accordance with this approval;
- b. No lot or tract shall be divided into smaller lots or tracts without prior approval of the Department of Natural Resources; and individual wells are not used if a public water supply is described in the Project Description.
- c. Residences are restricted to single family residences and only one shall be constructed on any lot or tract;
- d. It shall be the lot owner's responsibility to assure that the system receives proper operation and maintenance at all times;
- e. The effluent from the system shall be contained on the lot and handled in such a manner that there shall be no violation of the Missouri Clean Water Law and Regulations;

It is also the responsibility of the developer or his heirs, assigns, or successors to:

1. Advise prospective lot purchasers of the terms and conditions of this approval, and furnish them a copy of this approval letter.
2. Advise lot purchasers that all on-site septic tank & absorption field disposal system designs must be approved by the County Health Department before construction begins.
3. Advise lot purchasers that soil profile evaluations must be conducted by a soil scientist, or qualified geologist or professional engineer on all proposed lateral field sites and submitted for review and approval to the County Health Department with the on-site wastewater system design.
4. Stormwater Control: Obtain a special Missouri State Operating Permit to discharge storm water for any land disturbance activities of five or more acres (10 CSR 20-6.200). This permit requires best management practices sufficient to control sediment runoff to protect waters of the state.
5. Drinking Water Supplies: Obtain approval from the Public Drinking Water Program (314/751-5331) in Jefferson City, Missouri for the construction of any public drinking water facilities.

Woodland Acres Subdivision
March 14, 1996
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SPECIAL CONDITIONS/INSTRUCTIONS

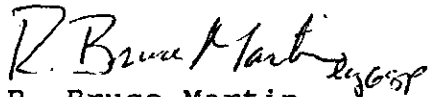
1. Care must be taken to prohibit traffic and use of heavy equipment on possible sites for lateral systems. Traffic will destroy the useful structure of the top horizons of soil. Any area compacted by traffic must not be used for lateral systems.

This letter of approval does not excuse the developer, the individual lot owners, or any other persons from any liability for violation of/or duties and responsibilities under the Missouri Clean Water Law and Regulations, or any other laws of the State of Missouri. If, at any time the installation or use of the wastewater disposal should result in a violation of the Missouri Clean Water Law or Regulations, or if any of the above conditions of approval are violated, this letter of approval may be revoked.

This approval may also be revoked if any changes are made in the development without first obtaining approval from the Department of Natural Resources. If you have any questions, please call Douglas Carmichael at this office.

Sincerely,

SOUTHWEST REGIONAL OFFICE


R. Bruce Martin
Regional Director

RBM:drc

c: St. Clair County Health Department

3.100 St. Clair County
General File (Woodland Acres Subdivision)