

Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

Carol S. Comer, Director

December 04, 2018

QUADE WILSON
2830 BLACKFOOT HOLLOW ROAD
ANDERSON, MO 64831

STATE WELL CERTIFICATION INFORMATION

WELL OWNER: QUADE WILSON

ADDRESS: 2830 BLACKFOOT HOLLOW ROAD

CITY: ANDERSON STATE: MO ZIP: 64831

COUNTY: MCDONALD

LOCATION: Latitude 36° 37' 48" Longitude 94° 32' 36"

REFERENCE NO: 00536093 DATE COMPLETED: 10/04/2018

DRILLING CONTRACTOR: LETTS & DEMERY PUMP SVC

PROPOSED USE OF WELL: Domestic

STATE WELL CERTIFICATION NUMBER: A220056

Please take to your FSA or NRCS Office.

Please direct any inquiries regarding the above information to:

**Missouri Geological Survey
Well Installation Section
P.O. Box 250, Rolla, MO
65402-0250
Phone (573) 368-2165
Fax (573) 368-2317**



Recycled paper

As Built 3.1 FY19 Map

Date: 1/15/2019

Customer(s): QUADE T WILSON

District: MCDONALD COUNTY SOIL & WATER CONSERVATION DISTRICT

Legal Description: TWN 22N, RGE 33W SEC 17,18,19,20

Field Office: NEOSHO SERVICE CENTER

Agency: USDA - NRCS

Assisted By: Ashley Shilling

State and County: MO, Newton County, Missouri



Legend

- Planned Pipeline
- Planned Fence
- Existing Fence
- 3.1 SA (201.7 acres)
- Installed Well
- Planned Water Tank
- Farm #3316 Tract #3666

Prepared with assistance from USDA-Natural Resources Conservation Service

1 inch = 1,320 feet





MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
DOMESTIC/MULTI-FAMILY WELL REPORT
AND PUMP INFORMATION

FOR OFFICE USE ONLY

REF NO. 536093 DATE RECEIVED DEC 03 2018
CR NO. CHECK NO. 25575
STATE CERT NO. A220056 REVENUE NO. 120318
TELEPHONE NUMBER WITH AREA CODE 417-669-2712
STATE MO ZIP CODE 64831
CITY Anderson

ROUTE 251 APPROVED 12/04/18 DATE 12/04/18 ENTERED mmm

WELL OWNER NAME Quade Wilson

WELL OWNER MAILING ADDRESS 2830 Blackfoot Hollow Rd

CITY Anderson

PHYSICAL ADDRESS OF PROPERTY WHERE WELL IS LOCATED Blackfoot Hollow Rd

STATE MO ZIP CODE 64831
CITY Anderson

SEE BACK OF FORM FOR WELL CLASSIFICATIONS AND NUMBER OF CONNECTIONS

USE OF WELL: DOMESTIC ☒ MULTI-FAMILY ☐
COST SHARE: YES ☒ NO ☐
VARIANCE NUMBER (IF ISSUED) _____ CASING DEPTH NUMBER (IF ISSUED) _____
OWNER SIGNATURE - OPTIONAL (WATER USE INFORMATION VERIFIED BY) _____ DATE _____
OWNER SIGNATURE _____

CASING AND SCREEN INFORMATION

LENGTH 84 FT. OUTSIDE DIAMETER 6 5/8 IN. WEIGHT (LB): SDR# 13 SDR# 83/4 IN. MATERIAL: STEEL ☒ CONCRETE ☐ PLASTIC ☐ FIBERGLASS ☐
DRIVE SHOE USED: YES ☐ NO ☒
PACKER USED ON PVC CASING: NONE ☐ INVERTED BELL ☐ COUPLING ☐ RUBBER BOOT ☐
SURFACE CASING (IF USED): LENGTH _____ FT. OUTSIDE DIAMETER _____ IN. SURFACE CASING GROUTED: YES ☐ NO ☒
SCREEN LENGTH (UNCONSOLIDATED MATERIAL WELLS) _____ FT. SCREEN TYPE / SLOT SIZE / PACKER DEPTH _____

CASING GROUT INFORMATION

POSITION OF SEAL: BOTTOM ☒ TOP ☐ FULL LENGTH ☐
TYPE (CHOOSE ONE): CEMENT ☒ BENTONITE ☐ CHIPS ☐ GRANULAR ☐ TYPE I ☐ TYPE II ☐ PELLETS ☐ SLURRY ☐
NUMBER OF SACKS USED 5 LBS PER SACK 94 OR CUBIC YARDS _____
METHOD OF INSTALLATION (CHOOSE ONLY ONE): GRAVITY ☐ POSITIVE DISPLACEMENT ☐ PRESSURE THROUGH CASING ☐ PRESSURE THROUGH TREMIE ☐ OPEN HOLE ☐ TREMIE ☐
DRILLING SUSPENDED: YES ☐ NO ☒ HRS _____

LINER INFORMATION

LENGTH _____ FT. OUTSIDE DIAMETER _____ IN. MATERIAL: STEEL ☐ PLASTIC ☐
WEIGHT (LB): SDR# _____ SDR# _____
USE (CHOOSE ONLY ONE): HOLD BACK FORMATION ☐ PREVENT RUST ☐ SEAL OUT UNDESIRABLE CONDITIONS ☐
DEPTH TO TOP OF LINER _____ FT. PERFORATED OR SCREEN INTERVAL: FROM _____ TO _____

LINER GROUT INFORMATION

POSITION OF SEAL: FULL LENGTH ☐ BOTTOM ☒
TYPE (CHOOSE ONE): CEMENT ☐ BENTONITE ☐ CHIPS ☐ GRANULAR ☐ TYPE I ☐ TYPE II ☐ PELLETS ☐ SLURRY ☐
NUMBER OF SACKS USED _____ LBS PER SACK _____
METHOD OF INSTALLATION: GRAVITY ☐ PRESSURE BY TREMIE ☐ AS LINER INSTALLED ☐
DEPTH PACKERS SET _____ FT.

DEPTH: FROM 0 TO 38 FORMATION DESCRIPTION: overburden
LAT. 36.37 48.0 LONG. 94.32 36.4 COUNTY McDonald
SEC 19 TWP 22 N RANG 33 E 1 W DRILL AREA (OFFICE USE ONLY) A1
WAS THE WELL PLUGGED: YES ☐ NO ☒
WELL COMPLETION DATE 10-4-18

GROUNDWATER INFORMATION: WELL YIELD 70 GPM STATIC WATER LEVEL 430 FT. DEPTH TO FIRST GROUNDWATER 570 FT.
PUMP INFORMATION: PUMP INSTALLATION DATE 11-2-18 DEPTH PUMP SET 660 FT. PUMP RATE 20 GPM
REPLACEMENT PUMP: YES ☐ NO ☒

I HEREBY CERTIFY THE WELL/PUMP INFORMATION DESCRIBED IS IN ACCORDANCE WITH THE DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS. (ALL FIELDS MUST BE COMPLETED BUT ONLY ONE SIGNATURE IS REQUIRED.)

PRIMARY CONTRACTOR (IF DIFFERENT THAN INSTALLATION CONTRACTOR) _____ PERMIT NUMBER _____ DATE _____
WELL INSTALLATION CONTRACTOR: Kent Jacobs PERMIT NUMBER 003694 DATE 10-4-18
PUMP INSTALLATION CONTRACTOR: Christopher Deary PERMIT NUMBER 004141 DATE 11-14-18
WELL INSTALLATION CONTRACTOR APPRENTICE (IF APPLICABLE) _____ PERMIT NUMBER 006509 DATE 11-14-18
PUMP INSTALLATION CONTRACTOR APPRENTICE (IF APPLICABLE) _____ PERMIT NUMBER 006509 DATE 11-14-18

DEPTH TO BEDROCK 38 FT. TOTAL DEPTH 900 FT.

MO 700-1802 (01-18)

SEND COMPLETED FORM ALONG WITH \$80 CERTIFICATION FEE TO: MISSOURI DEPARTMENT OF NATURAL RESOURCES, MISSOURI GEOLOGICAL SURVEY, WELL INSTALLATION SECTION, PO BOX 386 ROLLA, MO 65408 PHONE: 873-384-2168 FAX: 873-384-3317 EMAIL: wellinstall@dnr.mo.gov
RECORD (AND FEE) MAY BE SUBMITTED ONLINE: dnr.missouri.gov/mowells



MISSOURI DEPARTMENT OF
NATURAL RESOURCES
MISSOURI GEOLOGICAL SURVEY
DOMESTIC/MULTIFAMILY WELL RECORD
AND PUMP INFORMATION DATA

FOR OFFICE USE ONLY

REF NO

00538093

DATE RECEIVED

12/03/2018

CR NO:

CHECK NO:

ROUTE
PCD1 / COST

APPROVED

DATE

12/04/2018

ENTERED

NRBASSM

STATE CERT NO

A220056

REVENUE NO

120318

WELL OWNER NAME

QUADE WILSON

TELEPHONE NUMBER WITH AREA CODE

417-669-2712

WELL OWNER MAILING ADDRESS

2830 BLACKFOOT HOLLOW ROAD

CITY

ANDERSON

STATE

MO

ZIP CODE

64831

PHYSICAL ADDRESS OF PROPERTY WHERE WELL IS LOCATED

BLACKFOOT HOLLOW ROAD

CITY

ANDERSON

USE OF WELL

☒ DOMESTIC

☐ MULTI-FAMILY

COST SHARE

☒ YES

☐ NO

VARIANCE NUMBER

(IF ISSUED)

CASING DEPTH LETTER

☐ YES

☐ NO

OWNER SIGNATURE (Water Use Information Verified by Owner Signature)

DATE

CASING AND SCREEN INFORMATION

LENGTH

84.0 FT.

OUTSIDE DIAMETER

6.83 IN

WEIGHT (LB)

SDR# SCH#

13

BOREHOLE

DIAMETER

8.75 IN

MATERIAL

☒ STEEL

☐ PLASTIC

☐ CONCRETE

☐ FIBERGLASS

DRIVE SHOE USED

☐ YES

☐ NO

PACKER USED ON PVC CASING

☐ NONE

☐ COUPLING

☐ INVERTED BELL

☐ RUBBER BOOT

SURFACE CASING (IF USED)

LENGTH FT.

OUTSIDE DIAMETER IN

SURFACE CASING GROUTED

☐ YES # OF SACKS

☐ NO

SCREEN LENGTH (UNCONSOLIDATED

MATERIAL, WELLS)

FT.

SCREEN TYPE/SLOT SIZE/PACKER DEPTH

CASING GROUT INFORMATION

POSITION OF SEAL

☒ BOTTOM

☐ TOP

☐ FULL LENGTH

TYPE (CHOOSE ONE)

CEMENT

☒ TYPE I

☐ TYPE III

BENTONITE

☐ CHIPS

☐ GRANULAR

☐ PELLETS

☐ SLURRY

NUMBER OF SACKS USED

5.0

LBS PER SACK 84

OR CUBIC YARDS

METHOD OF INSTALLATION (CHOOSE ONLY ONE)

☐ GRAVITY

☐ POSITIVE DISPLACEMENT

☐ PRESSURE THROUGH CASING

☐ PRESSURE THROUGH TREMIE

☐ OPEN HOLE

☐ TREMIE

DRILLING SUSPENDED

☐ YES

☒ NO

HRS

LINER INFORMATION

LENGTH

FT.

OUTSIDE DIAMETER

IN

MATERIAL

☐ STEEL

☐ PLASTIC

WEIGHT (LB), SDR#

SCH#

0

USE (CHOOSE ONLY ONE)

☐ HOLD BACK FORMATION

☐ PREVENT RUST

☐ SEAL OUT UNDESIRABLE

DEPTH TO TOP OF LINER

0.0 FT.

PERFORATED OR SCREEN

INTERVAL

FROM TO

LINER GROUT INFORMATION

POSITION OF SEAL

☐ FULL LENGTH

☐ BOTTOM

TYPE (CHOOSE ONE)

CEMENT

☐ TYPE I

☐ TYPE III

BENTONITE

☐ CHIPS

☐ GRANULAR

☐ PELLETS

☐ SLURRY

NUMBER OF

SACKS USED

LBS PER SACK

METHOD OF INSTALLATION

☐ GRAVITY

☐ PRESSURE BY TREMIE

☐ AS LINER INSTALLED

DEPTH PACKERS SET

FT

DEPTH

FROM TO

0.0 38.0

38.0 63.0

63.0 218.0

218.0 226.0

226.0 259.0

259.0 840.0

840.0 900.0

FORMATION DESCRIPTION

OR

LM

FLT

NY

CHATTANOOGA

DOLO

ROUBIDOUX

LOCATION OF WELL OR PUMP

LAT. 36° 37' 48.0"

LONG. 94° 32' 36.4"

1/4 1/4 66W 1/4

SEC. 18 TWP. 22N. R10E

33

E W

COUNTY

MCDONALD

ABANDONED WELL ON SITE

☐ YES

☐ NO

WAS THE WELL PLUGGED

☐ YES

☐ NO

DRILL AREA (OFFICE USE

ONLY)

A1

WELL COMPLETION DATE

10/04/2018

GROUNDWATER INFORMATION

WELL YIELD

70.0 GPM

STATIC WATER LEVEL

430.0 FT.

DEPTH TO FIRST GROUND WATER

570.0 FT.

PUMP INFORMATION

PUMP INSTALLATION DATE

11/02/2018

DEPTH PUMP SET

860.0 FT.

PUMP RATE

20.0 GPM

REPLACEMENT

PUMP

☐ YES

☒ NO

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PRIMARY CONTRACTOR (IF DIFFERENT THAN INSTALLATION CONTRACTOR)

PERMIT NUMBER

DATE

WELL INSTALLATION CONTRACTOR

PERMIT NUMBER

DATE

KARL JACOBS

003694

PUMP INSTALLATION CONTRACTOR

PERMIT NUMBER

DATE

CHRISTOPHER DEMERY

004141

WELL INSTALLATION CONTRACTOR APPRENTICE (IF APPLICABLE)

PERMIT NUMBER

DATE

GARY BAILEY

008509

PUMP INSTALLATION CONTRACTOR APPRENTICE (IF APPLICABLE)

PERMIT NUMBER

DATE

GARY BAILEY

006509

DEPTH TO BEDROCK 38.0 FT.

TOTAL DEPTH 900.0 FT.

b. ***Commission Action***

The district must inform the commission if the cooperator fails to pay within the time stipulated. The commission will issue a letter that requests repayment within 30 days. If payment is not received within 30 days, the commission may refer the matter to the Attorney General's Office.

4. **Practice Alternatives**

The most appropriate practice alternative will be made available to the district board by technical staff.

5. **Maintenance Agreements**

a. ***Responsibility***

The landowner who receives cost-share payment remains responsible for the maintenance of the practice, even upon change of ownership, unless the responsibility is transferred in writing and recorded on the property deed. The cooperator must maintain the practice in accordance with NRCS standards and specifications and commission policies for the lifespan of the practice. Cost-share must be refunded if the cooperator alters the practice in any way that decreases its effectiveness during its maintenance life.

b. ***Recording***

1) **General Information**

- a) The maintenance agreement is a legal document filed with the county's Recorder of Deeds after payment is issued to the landowner. The maintenance agreement states that if the practice is altered in any way that decreases its effectiveness during its maintenance life, a prorated amount of cost-share will be refunded.
- b) District boards have the option to record maintenance agreements. By recording maintenance agreements, the maintenance lifespan of the practice is associated with the property deed.
- c) Maintenance agreements can be recorded at any time during the maintenance life of the practice. A copy of the "Maintenance Agreement" form is available in the Appendix.

2) **MoSWIMS**

Enter maintenance information in MoSWIMS once the maintenance agreement has been recorded and a contract payment is created. For additional information about recording maintenance agreement information in MoSWIMS, consult the "Maintenance Information" section of "Additional Functions" in the MoSWIMS District Office Training Manual.

3) **Quarterly Report**

Any costs incurred by the district for maintenance agreement(s) are eligible from the Administrative Grant or be paid by the landowner.

- a) Attach any receipts to the Administrative ledger of the quarterly report.

6. **Maintenance Agreement Violations**

The district board has the responsibility to follow up on cost-share practices to see that they are maintained for the life of the practice. If the board approves cost-share

on land owned in another district, the district board that approves the practice is responsible for ensuring that the practice is maintained. Practices not maintained cannot perform their intended function, and the landowner is not complying with the maintenance agreement as stated on the contract.

a. Responsibilities

The board must contact a landowner when a maintenance violation is identified and request that the landowner correct the problem. The board will provide the landowner with a date by which the maintenance violation must be corrected at the landowner's own expense and the practice restored to meet NRCS standards and specifications and commission policies. Before establishing the deadline for the correction, the board should evaluate the long-term effect of the violation on the continued success of the practice. The date the board gives the landowner should be based upon a reasonable and fair estimate of the time required to correct the problem(s). If the landowner does not correct the violation prior to the date stipulated by the board, the landowner cannot participate in cost-share.

b. Repayment Calculation

The amount of the repayment will be prorated over the lifespan of the practice. The contract payment displays the practice's maintenance life and may be obtained from MoSWIMS. Contact your district coordinator for assistance in calculating repayment amounts.

To calculate repayment:

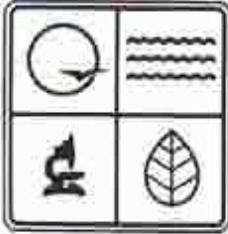
- 1) Multiply the number of years of the practice's *maintenance life* by 12.
This is the total *months in the lifespan*.
- 2) Divide the *cost-share amount received* by the number of *months in the lifespan* to get the *cost-share per month*.
- 3) Calculate the *remaining months* of maintenance life: Start with the first day of the month payment was made and count through the last day of the month the maintenance violation was found. Subtract this number from the total *months in the lifespan* to get the *remaining months*.
- 4) Calculate the *repayment amount*: Multiply the *cost-share per month* by the *remaining months*.

c. District Request for Repayment

- 1) The district board of supervisors demands repayment by certified mail, return receipt requested, of the appropriate amount to "Department of Natural Resources" by check or money order within 30 days of receipt and sent to:
State of Missouri
Department of Natural Resources
Soil and Water Conservation Program
P.O. Box 176
Jefferson City, MO 65102-0176
- 2) The district should enter a note into the appropriate MoSWIMS contract. Enter a "Maintenance Notes" note type that states a maintenance violation occurred and the repayment amount made.

d. Cooperator Request of Commission Review

Within the 30-day period, the cooperator may request the commission review the demand for repayment. The request for a review must be in writing. The review



MISSOURI DEPARTMENT OF NATURAL RESOURCES
SOIL AND WATER DISTRICTS COMMISSION
COST-SHARE ASSISTANCE CONTRACT PAYMENT

WHISTLER CATTLE CO LLC
2830 BLACKFOOT HOLLOW
RD
ANDERSON, MO 64831

27 - McDONALD SWCD
1900 SOUTH HIGHWAY 71
NEOSHO, MO 64850
(417)451-1007 EXT. 3

Contract Number
GM 027-19-0003 CO1

Landowner TIN:
XXX-XX-5538

Legal Owner: WHISTLER CATTLE CO LLC

PRACTICE: DSP 3.1 - GRAZING SYSTEM WATER
DEVELOPMENT

MAXIMUMS: Acre:110.00

COMPONENT	EXTENT APPROVED	EXTENT COMPLETED	UNIT COST	UNIT	CS %	PAYMENT AMOUNT
PRESSURE TANK	1.0000	1.0000	\$633.6200	EA	75	\$475.21
SUBMERSIBLEPUMP>1HP	1.0000	1.0000	\$2,612.7500	EA	75	\$1,959.56
WATER WELL CASING STEEL	200.0000	84.0000	\$11.7500	FT	75	\$740.25
WATER WELL DRILLING	900.0000	900.0000	\$8.0000	FT	75	\$5,400.00
WATER WELL MISC	1.0000	1.0000	\$405.0000	EA	75	\$303.75
WELL HOUSE	1.0000	1.0000	\$750.0000	EA	75	\$562.50
SUBTOTAL						9,441.27
TOTAL AMOUNT DUE						9,441.27

January 2019

\$ 78.68 per month x 120 months