

Grizzly Meadows Lodge
189 Rock Creek Road, Emigrant, Montana, 59027
Property Feature Sheet

Grizzly Meadows Lodge is approximately 626 acres of pristine Montana wildlife habitat. It shares an approximately 1.8 mile boundary with the National Forest.

The Lodge was built in 1997 and remodeled in 2010. This is an ideal property for the hunter, outdoorsman, fisherman or nature lover seeking privacy and a chance to experience the majesty of the West while living in luxurious comfort. The Lodge overlooks 12 miles of the Yellowstone River, the Paradise Valley and the Beartooth Absaroka Wilderness Area.

Activities to be enjoyed on the Ranch include: hiking and horseback riding, Four Wheeling, snowmobiling, trophy elk and deer hunting, trap shooting, wildlife viewing and photography. The Ranch has two year round creeks, 1.1 miles of Rock Creek and 1/2 mile of Tom Miner Creek, wonderful fishing for Cutthroat in Rock Creek and Rainbow and Cutthroat Trout in Tom Miner, two stocked ponds near the house, and a diverse habitat ranging in elevation from 5468 feet to 6779 feet. The abundant wildlife includes elk, moose, mule deer, whitetail deer, antelope, grizzly and black bear, badger, bobcat, rattlesnakes, bald eagle, golden eagle, mountain lions and coyotes. Vivid varieties of colorful wildflowers blanket the land.

The Lodge is close to Yellowstone National Park and the iconic Western town of Livingston. Bozeman's Yellowstone International Airport is about 75 minutes away. A helicopter could land in the circular driveway in front of the Lodge.

The current owner, Nascar Race Team owner, Richard Childress, has owned the property for over 20 years and loves to entertain family, friends and clients at the Lodge. Richard placed the property in a conservation easement with the Rocky Mountain Elk Foundation to protect the property for wildlife habitat in perpetuity. Along with the Lodge and Shop an additional guest house dwelling and

outbuilding may be built on the same parcel. The Ranch Manager manages the weeds. The Ranch Manager is a licensed fishing guide and outfitter to help make any owner or guest's experience really enjoyable. He is happy to continue working for the new owner.

The house lends itself to large family gatherings and parties. A total of 6 bedrooms in the house can comfortably sleep up to 14 people.

Main House

- Situated close to 7,000' elevation high above the Paradise Valley
- 11,028 heated livable square feet
- 6 Bedrooms. 6 - 3/4 and 2 half bathrooms
- Interior Designed by Wolf Designs, Atlanta, GA
- Built in 1997 and renovated in 2010 by Don Pence
- Standing Steel Seam roof
- Heat source is a 7 furnaces throughout the home
- 500 gallon diesel automatic backup generator can power the entire main house and 500 gallon diesel storage tank
- Two 1,000 gallon buried propane tanks power the entire compound. Propane cost 2013-2014 \$12,500, 6250 gallons, price will vary.
- Park Electric: underground electric power cost \$3100. for 2013-2014
- Direct TV provides satellite programming for the 14 TV's and stereo speakers are throughout the house.

A full security system is in place at the Lodge: 5 outdoor infra red cameras, motion and glass breakage are included in the full security in the house.

Main Floor: 6,874 square feet

Porte Cochere for gracious arrivals to the Lodge in all weather.

As you enter there are large coat closets at either end of the entry hall.

The Great Room : Cedar paneling on walls and ceilings, wood burning fireplace, 26' ceilings and comfortable seating throughout the room. Brazilian Cherry flooring throughout the main floor. An enormous antler chandelier hangs from

the center of the room. incredible views of the valley and the Yellowstone River, Yankee Jim Canyon and the Bear Tooth Absaroka Wilderness Area.

Full Wet Bar, with 2 Kitchen Aid dishwasher drawers, Scotsman ice machine, 2 Subzero cooling drawers, trash compactor, 2 Subzero wine storage coolers, sink, under cabinet lighting.

Kitchen, Dining and Sitting Area:

A gas fireplace is in the sitting area with a TV over the fireplace.

A charming guest bathroom with Ambella Sink in an antique cabinet with an antler mirror above the sink.

The Kitchen:

Wine Cooler ,Kitchen Aid microwave , Pantry with automatic lighting, the floor is tumbled marble and the counters are granite and the backsplash is tumbled marble. The Wolf 6 burner range with griddle and 2 ovens has a large custom metal hood over it. double ceramic sink, Scotsman ice machine, 2 Subzero refrigerator/freezers, large granite island with seating, 2 warming drawers. Large Dining Area with table that seats 10. Of course, the views are incredible!

Master Suite:

Brazilian Cherry floor, Cedar walls, 27 windows in the suite, kitchenette in a cabinet and a dining area. You can see Daley Lake which is 6 miles away from the house. Master Bedroom , living area and dining. Two TV's and desk overlooking the pond. Master Bathroom with custom furniture style built in closets, in a his and her layout, each with its' own water closet and private dressing space, a large dual sink vanity with built in television screen and an expansive walk through shower with multiple rain, telephone and massage shower heads. A large skylight brings in more sun and it has a large linen storage closet.

The Family and Guest Wing is situated on the other side of the Great Room, it is split between two levels, affording privacy as well as comfort during extended

stays. An executive office with private deck access is the first room off of the Great Room on the main floor. The convenient and well appointed laundry room with 2 dryers and 1 washer and a sink, is across the hall, beside a second powder room. A second Master Suite is located at the end of the wing. It is a scaled down version of the master, with seating area, kitchenette, deck access, and a private bathroom. Two junior suites and an additional bedroom and 3/4 bath are also on the main floor. There is a mechanical room with 3 furnaces and humidifiers and the alarm system.

Upper Level: 2,957 square feet

This overlooks the Great Room and the bar area.

Billiard Room and game room with large screen TV and seating.

Private Guest bedroom and 3/4 bathroom

Lower Level: 1,197 square feet

The Man Cave: flooring of 16" x 16" ceramic tile , the ultimate sportsman's room for tying flies, reloading ammunition or cleaning firearms. Equipped with extensive storage this room has many uses. The Mechanical Room with 4 water Rheem heaters, bagless self venting central vacuum, 4 forced air furnaces, 4 humidifiers and an extra refrigerator.

Additional Details

2 car attached garage with storage and a dog wash or fishing boots

Shop/Garage for vehicles and tractor

A new, private, gated road has been built to access the Lodge from the bottom of the hill driving up through the ranch with beautiful views of the ranch and the large amount of wildlife.

There are two neighboring houses that share the access road from Rock Creek Road, they have an easement to use the road. The Lodge driveway is gated with a circular driveway leading to the Lodge.

- Water Source: see accompanying water rights
- There are two 10,000 gallon cisterns, one is for irrigation and one supplies the house.

- The Lower Pond has just been lined and is in a beautiful area with trees and views
- The Eagle Traps, used by the Sheepeater Band of the Shoshone Tribe that lived here in the Yellowstone area for over 3200 years. To gather Eagle Feathers for the headdresses, the young braves would build pits in a scree field of shale rock and burrow down in the pit and cover the opening with branches, they would bait an eagle with a rabbit and when the eagle swooped down on the rabbit the brave would grab the talons and hold it while they pulled out the feathers, it had to be able to live since it was sacred. The traps on the ranch are on a hillside covered by beautiful lichen covered brown rocks a very magical place.
- Pond of about 1/4 acre is below the house is aerated and stocked with 1200 cutthroat trout and filled with water piped from Rock Creek.
- All water rights and mineral rights owned by the seller appurtenant to the property convey to the buyer.
- The Lodge was stained and chinked August, 2014
- Taxes in 2017 were approximately \$6344.23
- The legal description has been determined by the preliminary title commitment. The ranch runs North and South for two miles and is about 1/2 mile wide.
- The ranch does have covenants and a conservation easement
- The Ranch Manager could continue to work the property.
- The Seller may do a 1031 tax deferred exchange at no cost to the Buyer.

MLS# 319572

*Offered fully furnished for \$ 5,950,000.
exceptions: bronzes and taxidermy items and vehicles.*

Vivian Bridaham, Managing Broker, Bozeman c. 406-580-7516

Tallie Lancey, Broker, Big Sky c.406-600-8081

Big Sky Sotheby's International Realty

www.bigskySIR.com

www.bridahamcollection.com

Cross Property All Fields Detail

 Listing



CONFIDENTIAL DOCUMENT - BIG SKY COUNTRY MLS MEMBER USE ONLY
ALL FIELDS DETAIL REPORT

MLS#: 319572	Class: Residential
Status: Active	Type: Single Family
Asking Price: \$5,950,000 (\$539.54/SF)	Total Sq Ft: 11,028
Original Price: \$5,950,000 (\$539.54/SF)	Sq Ft Source: Other
Address: 189 Rock Creek Road	
City: Emigrant	Levels: 2 Floors with Basement
State: MT	Bedrooms: 6
Zip: 59027	Baths: 7.0
Area: Liv Area - Paradise Valley W of 89S 6PVW	Lot Size: 626 - Acres
County: Park	Garage: 3 Attached
Subdivision: Other	Year Built: 1997
Legal: to be determined by preliminary title commitment	
Directions: South down the Paradise Valley turn at Tom Miner Basin follow Rock Cr. Rd West to private gate left	



Recent: 05/09/2018 : New Listing

GENERAL LISTING INFORMATION

Input Date: 05/09/2018 03:07 PM	Update Date: 05/09/2018
Listing Date: 05/08/2018	Expiration Date: 05/02/2019
Agent 1: Vivian Bridaham Banta Ph:(406) 580-7516 	Administrative Fee:
Office 1: Big Sky Sotheby's International Realty Ph:(406) 995-2211	Selling Office Fee: 2.75
Agent 2: Tallie Lancey Ph:(406) 600-8081 	Dual/Variable Comm: Yes
Office 2: Big Sky Sotheby's International Realty Ph:(406) 995-2211	Listing Type: Exclusive Right to Sell
Agent 3:	Short Sale/Foreclosure: Neither
Office 3:	

PROPERTY DETAILS

New Construction: No	HOA: Subdivision
New Const Type:	HOA Amount:
Est. Complete Dt:	HOA Pay Period:
1st Level Sq Ft: 6,874	HOA Contact:
2nd Level Sq Ft: 2,957	HOA Contact Ph:
3rd Level Sq Ft:	Zoning: CALL - Call Listing Agent for Details
Abv Grade Sq Ft: 9,831	Condo Name:
Bsmt Level Sq Ft: 1,197	Modular Construction: No
Unfinished Sq Ft:	Pets: Allowed
Loc of Unfinish SF:	Water Amenity: Creek, Pond, River/Creek Frontage, Stream
Guest Quarters:	Flood Plain: No
Guest Sq Ft:	Public Land Adjacent: Forest Service
# Full Baths: 0	Exceptions: all bronzes and taxidermy animals, automotive equipment
# 3/4 Baths: 6	Covenant: cons. esmt.
# 1/2 Baths: 2	Certified Green Bldg:
Builder/Architect: Don Pence, Georgia	
Parcel Tax ID#: 0004992000	
Additional Parcel Tax IDs yes	
Showing Instructions: Call Vivian 406-580-7516 24 hours notice to show. Listing agent to accompany all showings.	

LIVESTOCK

Animal	Quantity	Seasonal?
Horse		

MISCELLANEOUS

Days On Market: 2	Realtor.com: Yes
CDOM: 2	Zillow/Trulia: Yes
Lockbox: No	IDX Include: Yes
Owner Name: Childress	ListHub: Yes
Occupant: Owner	VOW Comment: No
Rent Amount:	Automated Valuation: No
Rental Period:	

FEATURES

Flooring: Hardwood Floors, Partial Carpeting, Tile Floors	Basement: Family Room, Full - Finished
Appliances: Air Conditioner, Central Vacuum, Compactor, Dishwasher, Disposal, Dryer, Freezer, Microwave,	Style: Custom

Heating: Range, Refrigerator, Washer, Water Softener
Forced Air, Propane

Cooling: Ceiling Fans, Central Air

Roof: Metal

Patio/Deck: Covered Porch, Deck

Exterior: Log

View: Meadow, Mountains, Pond/Lake, Rural, Southern Exposure, Stream,Creek,River, Trees, Valley

Road Access: Gravel

Community: Central Laundry, Pond/River

HOA Includes:

Interior: Central Vacuum, Automatic Garage Door, Gas Fireplace, Vaulted Ceiling, Walk-In Closets, Wet Bar, Window Coverings, Wood Fireplace

Site Improvements: Gravel Driveway, Lawn, Perimeter Fencing, Underground Sprinklers Yard

1st Level: 4 or More Bedrooms, Master Bedroom, 1 Full Bath, 2 Half Baths, 3 or More 3/4 Baths, Den/Office, Dining Room, Family Room, Fireplace/Stove, Kitchen, Laundry Room, Living Room

2nd Level: 1 Bedroom, 1 - 3/4 Bath, Family Room

3rd Level:

Utility Services: Generator, Private Well, Septic, Telephone

Safety Features: Security System, Smoke/Heat Detector

Outbuildings: Equipment Barn

AGENT INFORMATION

Agent Only Remarks

Grizzly Meadows Lodge, Emigrant, Montana Wildlife roams out of Yellowstone National Park and into the backyard of this oasis in the famed Paradise Valley. A pair of roaring creeks and a pair of tranquil ponds add tremendous recreational value to the over 626 acres located between Emigrant and Gardiner, Montana. The property will attract fishing, hunting, hiking and 4- wheeling enthusiasts as it borders National Forest for almost two miles.

PUBLIC INFORMATION

Public Remarks

Grizzly Meadows Lodge Emigrant, Montana Wildlife roams out of Yellowstone National Park and into the backyard of this oasis in the famed Paradise Valley. A pair of roaring creeks and a pair of tranquil ponds add tremendous recreational value to the over 626 acres located between Emigrant and Gardiner, Montana. The property will attract fishing, hunting, hiking, and 4-wheeling enthusiasts as it borders National Forest for almost two miles. The varied terrain offer lots to explore, including 4 eagle traps from the Sheepeater Tribe, coulees, meadows, and lush sanctuaries. The mountaintop home overlooks 12 miles of the Yellowstone River and offers 360-degree views. Grizzly Meadows Lodge was meticulously remodeled in 2010 to showcase the finest of luxury finishes and craftsmanship. The log-sided home now provides superb accommodations for family gatherings, corporate retreats, and classic Montana adventures. Offered furnished and turn key.

FINANCIALS

Tax Year: 2017
Apx Tax Amt: \$6,344
SID/RID:
Possession: Funding

Terms Acceptable: Cash
Preferred Title Company:American Title & Escrow, Livingston
Ownership: Full
Financial Comments:

Prepared By: Vivian Bridaham Banta

Date Printed: 05/10/2018

 Photos

Single Family

189 Rock Creek Road

LP: \$5,950,000

319572 Active

Emigrant, MT 59027





1. SYSTEM TYPE 1030
 2. DATE OF PERMIT 5-26-88
 3. NAME OF PROPERTY OWNER Kenneth D. & Diana F. Schall
 4. ADDRESS OF OWNER Rt. 2, Box 216, Livingston, Mt. PHONE # 333-4307
 5. LEGAL DESCRIPTION OF PROPERTY 473 C/S OR FLAT NO. 10
 6. SYSTEM TO BE INSTALLED BY Self LICENSE # 1
 7. NUMBER OF BEDROOMS (OR ESTIMATED SEWAGE VOLUME) 2 Bedrooms
 8. TYPE OF WATER SUPPLY: (CIRCLE ONE) (WELL) SPRING MUNICIPAL OTHER
 9. TYPE OF SOILS TO A DEPTH OF 3 FT. Sand & Clay
 10. SOILS PERCOLATION RATE 11.47 minutes per inch
 11. DEPTH TO SEASONAL HIGH GROUNDWATER _____ FT. DEPTH TO IMPERMEABLE SOILS _____ FT. HOW WAS IT DETERMINED? _____

12. IS THIS PROPERTY IN, OR WITHIN 100 FT. OF A FLOODPLAIN? YES X NO
 13. IF PROPERTY IS IN, OR WITHIN 100 FEET OF A FLOODPLAIN THEN PROVIDE WRITTEN VERIFICATION OF THAT FLOODPLAIN FROM THE PARK COUNTY FLOODPLAIN ADMINISTRATOR.
 14. VERIFY, BY LANDOWNER SIGNATURE, THAT THE DRAINFIELD WILL BE 100 FEET AWAY FROM THE ACTUAL OR PROPOSED WELL, ALL WATERCOURSES (NATURAL OR MANMADE), LOW AREAS WHERE FLOODING MAY OCCUR AND THE 100 YEAR FLOODPLAIN.
 15. WHAT IS THE SLOPE OF THE GROUND IN THE DRAINFIELD AREA? 2 %
 16. ARE SANITARY RESTRICTIONS IMPOSED ON THIS PROPERTY? YES X NO
 17. IS THIS PROPERTY PART OF A SUBDIVISION OF LAND, OR OCCASIONAL SALE? YES _____ NO X

18. SIZE OF PARCEL IN ACRES 20.154
 19. IF LESS THAN 20 ACRES, IS THE MONTANA DEPARTMENT OF HEALTH APPROVAL STATEMENT ATTACHED? YES X NO

20. LAYOUT DETAILS:
 Tank Size: (1,000) 1,500 2,000 gallons Material: Concrete X Other
 Tank to Foundation: 75 Ft. Trench to property line 550 Ft.

21. TRENCH DIMENSIONS:
 Gravel above pipe 2" in. Gravel below pipe 8" in.
 Depth to Perf. pipe 18 in. Depth to bottom trench 30 in.
 Trench width 2' Yards of washed gravel 15 yds.
 22. MINIMUM DRAINFIELD REQUIREMENTS 190 sq. ft./bdrm. 95 lin. ft./bdrm.
190 Total lin. ft.

23. WATER SUPPLY:
 This property:
 Distance to septic tank 160' Distance to drainfield 180'
 Adjacent Property:
 Distance to septic tank 600' Distance to drainfield 620'

24. On a separate piece of paper diagram the proposed system, showing the location and distances between the proposed sewage system, the house, roads, your well and adjacent neighbors' wells, surface water, (springs, ponds, lakes, streams, ditches, etc.) Show the location of an alternate drainfield, and indicate NORTH. Make this diagram as complete as possible.

25. I CERTIFY THAT the above information is complete and factual, and I understand that the submission of incorrect information or construction of a system that does not follow this application, or does not follow the requirements of the County On-Site Sewage Regulation will result in any permit issued for this application being voided.

PROPERTY OWNER Kenneth D. Schall Contractor Self
 (signature) (signature)

Official Use Only

PERMIT APPLICATION

date received 5/26/88
 reviewed by DK
 fee paid 35.00

approved to install
 denied _____
 receipt # _____

Drill



SEPTIC TANK

75



4. ADDRESS OF OWNER 8188 Hampton Rd. Clemmons NC. 27012-9313 PHONE # 910-7662320

5. LEGAL DESCRIPTION OF PROPERTY ^{Sections} 24+25 7S 6E 195 Pooksaddle Rd.

C/S OR PLAT NO. CS 544, 595, 1159

6. NUMBER OF BEDROOMS (OR ESTIMATED SEWAGE VOLUME) 4 BEDROOMS

7. SYSTEM TO BE INSTALLED BY: WAGLER CONST. INC.

8. TYPE OF WATER SUPPLY: (CIRCLE ONE) WELL SPRING MUNICIPAL OTHER

9. TYPE OF SOILS TO A DEPTH OF 3 FEET gravel - dirt

10. SOILS PERCOLATION RATE 8-10 minutes/inch

11. DEPTH TO SEASONAL HIGH GROUNDWATER 30+ FT. DEPTH TO IMPERMEABLE SOILS 7+ FT. HOW WAS IT DETERMINED? EXCAVATION ON SITE

12. IS THIS PROPERTY IN, OR WITHIN 100 FT OF A FLOODPLAIN? Y N

13. VERIFY, BY LANDOWNER SIGNATURE, THAT THE DRAINFIELD WILL BE 100 FT AWAY FROM THE ACTUAL OR PROPOSED WELL, ALL WATERCOURSES (NATURAL OR MANMADE), LOW AREAS WHERE PONDING MAY OCCUR AND THE 100 YEAR FLOODPLAIN. [Signature]

14. WHAT IS THE SLOPE OF THE GROUND IN THE DRAINFIELD AREA? 30 %

15. ARE SANITARY RESTRICTIONS IMPOSED ON THIS PROPERTY? Y N

16. IS THIS PROPERTY PART OF A SUBDIVISION OF LAND, OR OCCASIONAL SALE? Y N

17. SIZE OF PARCEL IN ACRES 1.80 18. IF LESS THAN 20 ACRES, IS THE MOHES APPROVAL STATEMENT ATTACHED? Y N

19. LAYOUT DETAILS
Tank size: 1,000 1,500 2,000 gallons Material: Concrete Other

Tank to Foundation: 10+ ft. Trench to property line: 10+ ft.

20. TRENCH DIMENSIONS:
Gravel above pipe 2 in. Gravel below pipe 6 in. Depth to Perf. pipe 12 in.
Depth to bottom trench 24 in. Trench width 24 Yards of washed gravel

21. MINIMUM DRAINFIELD REQUIREMENTS 160 sq.ft./bdm. Lin. ft./bdm 80 Total lin. ft. 320

22. WATER SUPPLY
This property: Distance to septic tank 50+ ft Distance to drainfield 100+ ft
Adjacent Property: Distance to septic tank 50+ ft Distance to drainfield 100+ ft

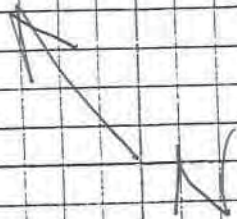
23. ON A SEPARATE PIECE OF PAPER DIAGRAM THE PROPOSED SYSTEM, SHOWING THE LOCATION AND DISTANCES BETWEEN THE PROPOSED SEWAGE SYSTEM, THE HOUSE, ROADS, YOUR WELL AND ADJACENT NEIGHBORS' WELLS, SURFACE WATER, (SPRINGS, PONDS, LAKES, STREAMS, DITCHES, ETC.) SHOW THE LOCATION OF AN ALTERNATE DRAINFIELD, AND INDICATE - NORTH -. MAKE THIS DIAGRAM AS COMPLETE AS POSSIBLE.

24. I CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND FACTUAL, AND I UNDERSTAND THAT THE SUBMISSION OF INCORRECT INFORMATION OR CONSTRUCTION OF A SYSTEM THAT DOES NOT FOLLOW THIS APPLICATION, OR DOES NOT FOLLOW THE REQUIREMENTS OF THE COUNTY ON-SITE SEWAGE REGULATION WILL RESULT IN ANY PERMIT ISSUED FOR THIS APPLICATION BEING VOIDED.

NOTE: THIS PERMIT EXPIRES THREE (3) MONTHS AFTER THE DATE OF APPROVAL. IF THE SYSTEM IS NOT INSTALLED WITHIN THIS PERIOD, THIS PERMIT IS VOID AND IF THE INSTALLATION IS STILL DESIRED, ANOTHER PERMIT APPLICATION AND FEE IS REQUIRED.

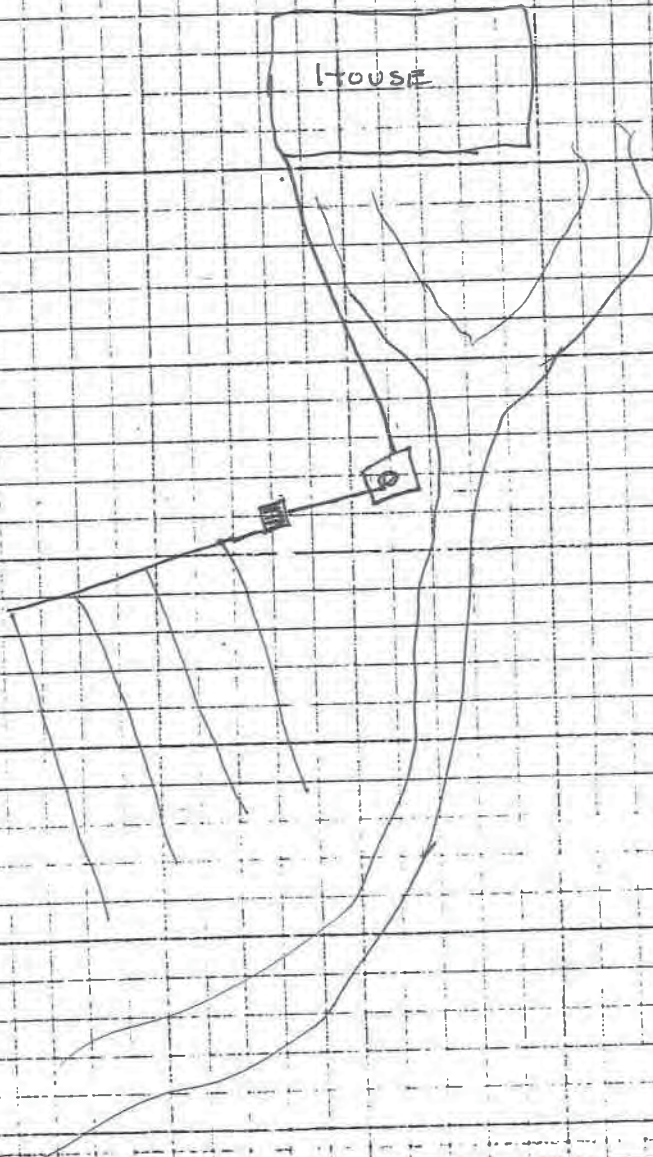
PROPERTY OWNER [Signature] Judy Childress Contractor [Signature] Wagner Const. Inc. 030

MUST BE INSPECTED



HOUSE

GARAGE



GENERAL ABSTRACT

Water Right Number: 43B 110134 00 GROUND WATER CERTIFICATE
Version: -- ORIGINAL RIGHT
Version Status: ACTIVE

Owners: RICHARD CHILDRESS
8188 HAMPTON RD
CLEMMONS, NC 27012

Priority Date: January 5, 2000 at 12:15 PM
Enforceable Priority Date: January 5, 2000 at 12:15 PM

Purpose (use): FISH AND WILDLIFE

Maximum Flow Rate: 2 GPM

Maximum Volume: 0.10 AC-FT

Source Name: GROUNDWATER
Source Type: GROUNDWATER

Points of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SENE SW	24	7S	6E	PARK

Period of Diversion: JANUARY 1 to DECEMBER 31

Diversion Means: WELL

Subdivision: GRIZZLY MEADOWS SUBDIVISION TRACT/LOT: 60

Well Depth: 500 FEET

Static Water Level: 150 FEET

Casing Diameter: 6 INCHES

Reservoir: ON STREAM **Reservoir Name:**

<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
	SENE SW	24	7S	6E	PARK

Surface Area: 0.10 ACRES

Current Capacity: 0.10 ACRE-FEET

Purpose (use): FISH AND WILDLIFE
Volume:
Period of Use: JANUARY 1 TO DECEMBER 31

Place of Use: (1 total records)

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SENE SW	24	7S	6E	PARK

Subdivision: GRIZZLY MEADOWS SUBDIVISION TRACT/LOT: 60

Geocodes/Valid:

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME OTHER.

110133-00 110134-00 95496-00

THIS CERTIFICATE IS ASSOCIATED WITH 43B-C095496 AND 43B-C110133.

GENERAL ABSTRACT

Water Right Number: 43B 110133 00 GROUND WATER CERTIFICATE
Version: -- ORIGINAL RIGHT
Version Status: ACTIVE

Owners: RICHARD CHILDRESS
8188 HAMPTON RD
CLEMMONS, NC 27012

Priority Date: January 5, 2000 at 12:14 PM
Enforceable Priority Date: January 5, 2000 at 12:14 PM

Purpose (use): FISH AND WILDLIFE

Maximum Flow Rate: 10 GPM

Maximum Volume: 0.50 AC-FT

Source Name: GROUNDWATER
Source Type: GROUNDWATER

Points of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SENE SW	24	7S	6E	PARK

Period of Diversion: JANUARY 1 to DECEMBER 31

Diversion Means: WELL

Subdivision: GRIZZLY MEADOWS SUBDIVISION TRACT/LOT: 60

Well Depth: 340 FEET

Static Water Level: 78 FEET

Casing Diameter: 6 INCHES

Pump Size: 1

Purpose (use): FISH AND WILDLIFE
Volume:
Period of Use: JANUARY 1 TO DECEMBER 31

Place of Use: (1 total records)

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SENE SW	24	7S	6E	PARK

Subdivision: GRIZZLY MEADOWS SUBDIVISION TRACT/LOT: 60

Geocodes/Valid:

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME OTHER.

110133-00 110134-00 95496-00

THIS IS ASSOCIATED WITH 43B-C095496, 43B-C110134.

GENERAL ABSTRACT

Water Right Number: 43B 112602 00 PROVISIONAL PERMIT
Version: -- ORIGINAL RIGHT
Version Status: ACTIVE

Owners: RICHARD CHILDRESS
8188 HAMPTON RD
CLEMMONS, NC 27012

Priority Date: July 11, 2000 at 16:05 PM
Enforceable Priority Date: July 11, 2000 at 16:05 PM

Purpose (use): FISH AND WILDLIFE

Maximum Flow Rate: 10 GPM

Maximum Volume: 16.00 AC-FT

Source Name: GROUNDWATER
Source Type: GROUNDWATER

Points of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SENE SW	24	7S	6E	PARK

Period of Diversion: JANUARY 1 to DECEMBER 31

Diversion Means: WELL

Subdivision: GRIZZLY MEADOWS SUBDIVISION TRACT/LOT: 60

Well Depth: 140 FEET

Static Water Level: 85 FEET

Casing Diameter: 6 INCHES

Reservoir: OFF STREAM **Reservoir Name:**

<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
	SENE SW	24	7S	6E	PARK

Depth: 15.00 FEET

Surface Area: 1.30 ACRES

Current Capacity: 9.75 ACRE-FEET

Purpose (use): FISH AND WILDLIFE

Volume:

Period of Use: JANUARY 1 TO DECEMBER 31

Place of Use: (1 total records)

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SENE SW	24	7S	6E	PARK

Subdivision: GRIZZLY MEADOWS SUBDIVISION

Geocodes/Valid:

Remarks:

ANYTIME AFTER THIS RIGHT IS ISSUED AND COMPETITION FOR WATER ON THE SOURCE BECOMES AN ISSUE, THE DEPARTMENT MAY REQUIRE THE APPROPRIATOR TO INSTALL A WATER USE MEASURING DEVICE AND SUBMIT THE RECORDS OF THE FLOW RATE OR VOLUME OR BOTH OF ALL WATER DIVERTED.

GENERAL ABSTRACT

Water Right Number: 43B 30042679 PROVISIONAL PERMIT
Version: -- ORIGINAL RIGHT
Version Status: ACTIVE

Owners: JUDY CHILDRESS
9160 HAMPTON RD
LEXINGTON, NC 27295 9785

RICHARD CHILDRESS
9160 HAMPTON RD
LEXINGTON, NC 27295 9785

Priority Date: July 7, 2008 at 15:46 PM
Enforceable Priority Date: July 7, 2008 at 15:46 PM

Purpose (use): FISHERY
LAWN AND GARDEN

Maximum Flow Rate: 600 GPM

Maximum Volume: 13.26 AC-FT

Maximum Acres: 0.35

Source Name: ROCK CREEK
Source Type: SURFACE WATER

Points of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NWNWNW	24	7S	6E	PARK

Period of Diversion: MAY 1 to JULY 15
Diversion Means: PIPELINE
Subdivision: GRIZZLY MEADOWS SUBDIVISION TRACT/LOT: 39A

Reservoir: OFF STREAM **Reservoir Name:**

<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
	SWNESW	24	7S	6E	PARK

Depth: 17.00 FEET
Surface Area: 1.05 ACRES
Current Capacity: 9.07 ACRE-FEET

Purpose (use): FISHERY
Volume:
Period of Use: JANUARY 1 TO DECEMBER 31

Place of Use: (2 total records)

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SWNESW	24	7S	6E	PARK	

Purpose (use): LAWN AND GARDEN
Volume:
Period of Use: APRIL 20 TO OCTOBER 10

Place of Use: (2 total records)

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1	0.35	SWNESW	24	7S	6E	PARK	

Total: 0.35

Geocodes/Valid:

Remarks:

THE APPROPRIATOR SHALL ADEQUATELY MAINTAIN THE STAFF GAGE INSTALLED FOR THIS PERMIT AT THE CONCRETE BRIDGE NEAR THE MOUTH OF ROCK CREEK. ANNUAL CALIBRATIONS ARE EXPECTED TO MAINTAIN THE RATING CURVE. WATER WILL BE DETERMINED LEGALLY AVAILABLE ONLY WHEN FLOWS ARE ABOVE 46.5 CFS IN MAY, ABOVE 110.5 CFS IN JUNE, AND ABOVE 40.6 CFS IN JULY.

THE APPROPRIATOR SHALL MAINTAIN FISH IN THE POND EITHER THROUGH REPRODUCTION OR STOCKING WITH THE APPROPRIATE SPECIES AND QUANTITY OF FISH AS REQUIRED IN A FISH STOCKING PERMIT AUTHORIZED BY DFWP. A COPY OF THIS PERMIT AND ANY STOCKING RECORDS SHALL BE PROVIDED TO THE DEPARTMENT IN THE REQUIRED NOTICE OF COMPLETION.

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED MEASURING DEVICE AT POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN DAILY RECORD OF THE VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT RECORDS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES THE VOLUME ACCURATELY.

GENERAL ABSTRACT

Water Right Number: 43B 95496 00 GROUND WATER CERTIFICATE
Version: -- ORIGINAL RIGHT
Version Status: ACTIVE

Owners: RICHARD CHILDRESS
8188 HAMPTON RD
CLEMMONS, NC 27012

Priority Date: September 12, 1995 at 11:25 AM
Enforceable Priority Date: September 12, 1995 at 11:25 AM

Purpose (use): DOMESTIC

Maximum Flow Rate: 25 GPM

Maximum Volume: 1.63 AC-FT

Source Name: GROUNDWATER
Source Type: GROUNDWATER

Points of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SWNESW	24	7S	6E	PARK

Period of Diversion: JANUARY 1 to DECEMBER 31

Diversion Means: WELL

Well Depth: 460 FEET

Static Water Level: 230 FEET

Casing Diameter: 6 INCHES

Purpose (use): DOMESTIC
Households: 1
Volume:
Period of Use: JANUARY 1 TO DECEMBER 31

Place of Use: (1 total records)

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SENESW	24	7S	6E	PARK

Geocodes/Valid:

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME OTHER.

110133-00 110134-00 95496-00

THE RIGHT ISSUED ON 11/15/95 WAS REISSUED. THE RIGHT WAS REISSUED BECAUSE POINT OF DIVERSION AND PLACE OF USE WERE CORRECTED.

MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned well log \(10/10/2011 1:08:17 PM\)](#)

Site Name: CHILDRESS, RICHARD
GWIC Id: 153167
DNRC Water Right: C110134-00

Section 7: Well Test Data

Total Depth: 500
 Static Water Level: 150
 Water Temperature:

Section 1: Well Owner

Owner Name			
CHILDRESS RICHARD			
Mailing Address			
8181 HAMPTON RD			
City	State	Zip Code	
CLEMMONS	NC	27012	

Pump Test *

Depth pump set for test _ feet.
 _ 7 gpm pump rate with _ feet of drawdown after 1.5 hours of pumping.
 Time of recovery 3 hours.
 Recovery water level 150 feet.
 Pumping water level 410 feet.

Section 2: Location

Township	Range	Section	Quarter Sections	
07S	06E	24	SE¼ NE¼ SW¼	
County			Geocode	
PARK				
Latitude	Longitude	Geomethod	Datum	
45.20985075955	110.9275415625	TRS-SEC	NAD83	
Ground Surface Altitude		Method	Datum	Date
Addition			Block	Lot
GRIZZLY MEADOWS				60

* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

Section 3: Proposed Use of Water

OTHER (1)

Section 8: Remarks

Section 4: Type of Work

Drilling Method: ROTARY

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	13	STICKY CLAY
13	40	ALUVIUMS & CLAY
40	80	ALUVIAL TILL
80	100	INTERBEDDED ROCK LENSES & CLAY
100	200	STICKY BLUE CLAY
200	230	BROKEN BASALT
230	240	FRACTURED BASALT
240	300	BASALT-BROWN-RED-GREEN
300	310	GREEN BLACK SILTSTONE
310	320	DARK GREEN SILTSTONE MUDSTONE
320	333	GREEN SILTSTONE W/MIXED BLACK VOLCANICS
333	334	BLACK FRACTURED VOLCANICS
334	376	GREEN SILTSTONE & MUDSTONE
376	460	BLACK TO BLUE SHALE W/SANDSTONE STREAKS
460	465	HARD SANDY BLACK SHALE

Section 5: Well Completion Date

Date well completed: Friday, December 11, 1998

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	500	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	138	6				STEEL
40	420	4				PLASTIC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
340	420	4			SAW SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	38	BENTONITE	

Name:
Company: POTTS DRILLING INC
License No: WWC-512
Date Completed: 12/11/1998

Site Name: CHILDRESS, RICHARD

GWIC Id: 153167

Additional Lithology Records

From	To	Description
465	500	BLUE GREEN SHALE

OTS 06E 2A CAD

MONTANA WELL LOG REPORT

114814 43B-95496
Well ID# 43B-C110134

Form No. 603 R2-99

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with DNRC within 60 days of completion of the work.** Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. Optional fields have a grayed background. Record additional information in the REMARKS section.

1. WELL OWNER:
Name Childress, Richard

Mailing address 8181 Hampton Rd.
Clemmons, NC 27012

2. WELL LOCATION: List 1/4 from smallest to largest
SE NE SW
1/4 NW 1/4 SE 1/4 SW 1/4, Section 24

Township 7 N S Range 6 EW County Park

Lot 60, Tract/Blk _____ Subdivision Name Grizzly Meadows

Well Address _____

GPS Yes No
Latitude N45° 12.42 Longitude W110° 55.712

Error as reported by GPS locator (± feet) 80

Horizontal datum NAD27 WGS84

3. PROPOSED USE: Domestic Stock Irrigation
 Public water supply Monitoring Well Other: Park Supply

4. TYPE OF WORK:
 New well Deepen existing well Abandon existing well
Method: Cable Rotary Other: _____

5. WELL CONSTRUCTION DETAILS:

Borehole:
Dia. 6 in. from 300 ft. to 500 ft.
Dia. _____ in. from _____ ft. to _____ ft.
Dia. _____ in. from _____ ft. to _____ ft.

Casing:
Steel: Wall thickness .250 Threaded Welded
Dia. 6 in. from 2 ft. to 138 ft.
Dia. _____ in. from _____ ft. to _____ ft.

Plastic: Pressure Rating SC440 lbs. Threaded Welded
Dia. 4.5 in. from 40 ft. to 420 ft.

Perforations/Slotted Pipe:
Type of perforator used Saw Slots
Size of perforations/slots _____ in. by _____ in.
160 no. of perforations/slots from 340 ft. to 420 ft.
_____ no. of perforations/slots from _____ ft. to _____ ft.

Screens: Yes No
Material _____
Dia. _____ Slot size _____ from _____ ft. to _____ ft.
Dia. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel Packed: Yes No
Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Packer: Yes No
Type _____ Depth(s) _____

Grout: Material used _____
Depth from _____ ft. to _____ ft. OR Continuous feed

6. WELL TEST DATA:

A well test is required for all wells. (See details on well log report cover.)

Static water level 150 ft. below top of casing or
 Closed-in artesian pressure _____ psi.

How was test flow measured:
bucket/stopwatch, weir, flume, flowmeter, etc Bucket

Yellowstone groundwater closure area only - Water Temperature _____ °F

AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum
Drawdown is the amount water level is lowered below static level.
All depth measurements shall be from the top of the well casing.
Time of recovery is hours/minutes since pumping stopped.

Air test*
_____ gpm with drill stem set at _____ ft. for _____ hours
Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Bailer test*
_____ gpm with _____ ft. of drawdown after _____ hours
Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Pump test*
Depth pump set for test 415 ft.
7 gpm pump rate with 260 ft. of drawdown after 15 hrs pumping
Time of recovery 3 hrs/min. Recovery water level 150 ft.

OR Flowing Artesian*
_____ gpm for _____ hours
Flow controlled by _____

*During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reserve of the well casing.

7. WELL LOG:

Depth, Feet		Material:
From	To	color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
		Original hole was drilled in 4/95 to 300'. Moved back casing and upper production well drilled to 500'. Bottom 80' casing in.
300	310	Green Black Siltstone
310	320	Dark Green Siltstone/Mudstone
320	333	Green Siltstone w/ Mixed Black Volcanics
333	334	Black fractured volcanics
334	376	Green Siltstone + Mudstone
376	460	Black to Blue Shale w/ Sandstone streaks
460	465	Hard Sandy Black Shale
465	500	Blue Green Shale

ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: 12/11/98

9. REMARKS: _____

10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) Potts Drilling Inc

Address 80730 Gallatin Rd, Boz. Mt 59718

Signature David A Potts

Date 5/31/99 License no. WWC 512



7506 E 24 C 08

114814

WELL LOG REPORT

File No. 438-95496

State law requires that the Bureau's copy be filed by the water well driller within 60 days after completion of the well.

1. WELL OWNER
Name Childress, Richard

2. CURRENT MAILING ADDRESS
8181 Hampton Rd.
Clemmons NC 27012

3. WELL LOCATION
NE NE
NW 1/4 SE 1/4 SW 1/4 Section 24
Township 07S N/S Range 06E EW County Park
Gov'n Lot _____, or Lot _____, Block _____
Subdivision Name _____
Tract Number _____

4. PROPOSED USE: Domestic Stock Irrigation
Other specify Supplement Fish Pond

5. TYPE OF WORK:
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

6. DIMENSIONS: Diameter of Hole
Dia. 6 in. from 0 ft. to 300 ft.
Dia. _____ in. from _____ ft. to _____ ft.
Dia. _____ in. from _____ ft. to _____ ft.

7. CONSTRUCTION DETAILS:
Casing, Steel Dia. 6 from +2 ft. to 38-4 ft.
Threaded Welded Dia. _____ from _____ ft. to _____ ft.
Type A53B Wall Thickness _____
Casing, Plastic Dia. .250 from _____ ft. to _____ ft.
Weight _____ Dia. _____ from _____ ft. to _____ ft.
PERFORATIONS: Yes No
Type of perforator used _____
Size of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
SCREENS: Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Dia. _____ Slot size _____ from _____ ft. to _____ ft.
Dia. _____ Slot size _____ from _____ ft. to _____ ft.
GRAVEL PACKED: Yes No Size of gravel _____
Gravel placed from _____ ft. to _____ ft.
GROUTED: To what depth? 38 ft.
Material used in grouting Bentonite

8. WELL HEAD COMPLETION:
Pitless Adapter Yes No

9. PUMP (if installed)
Manufacturer's name _____
Type _____ Model No. _____ HP _____

10. WELL TEST DATA
The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing.
All wells under 100 gpm must be tested for a minimum of one hour and provide the following information:
a) Air Pump _____ Bailor _____
b) Static water level immediately before testing 40 ft. If flowing; closed-in pressure _____ psi. _____ gpm.
Flow controlled by: _____ valve, _____ reducers, _____ other, (specify) _____
c) Depth at which pump is set for test 300
d) The pumping rate: _____ gpm.
e) Pumping water level 15 ft. at _____ hrs. after pumping began. 280 _____ 1

f) Duration of test: Bumping time 1 hrs.
g) Recovery time 3 hrs.
h) Recovery water level 40 ft. at 3 hrs. after pumping stopped.
Wells intended to yield 100 gpm or more shall be tested for a period of 8 hours or more. The test shall follow the development of the well, and shall be conducted continuously at a constant discharge at least as great as the intended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquifer Test Data" form.
NOTE: All wells shall be equipped with an access port 1/2 inch minimum or a pressure gauge that will indicate the shut-in pressure of a flowing well. Removable caps are acceptable as access ports.

11. WAS WELL PLUGGED OR ABANDONED? Yes No
If yes, how? _____

12. WELL LOG

Depth (ft.)		Formation
From	To	
0	13	Sticky Clay
13	40	Aluviums & clay
40	80	Aluvial Till (10 gpm)
80	100	Interbedded rock lenses and clay
100	200	Sticky blue clay
200	230	Broken basalt
230	233	Loss circulation zone
233	240	Fractured basalt
240	300	Basalt, brown, red & green 15 gpm @ 300'

RECEIVED
JUL 03 1995
MONTANA D.N.R.C.
BOZEMAN FIELD OFFICE

#13

ATTACH ADDITIONAL SHEETS IF NECESSARY

13. DATE COMPLETED April 26, 1995

14. DRILLER/CONTRACTOR'S CERTIFICATION
This well was drilled under my jurisdiction and this report is true to the best of my knowledge.
Date April 26, 1995
Potts Drilling
Firm Name
80730 Gallatin Rd. Bozeman, MT 59715
Address
512
Signature [Signature] License No. _____

DNRC

AUG 18 1995

M:153167

MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned well log \(10/10/2011 1:07:50 PM\)](#)

Site Name: CHILDRESS, RICHARD
GWIC Id: 153788

Section 7: Well Test Data

Total Depth: 460
 Static Water Level: 230
 Water Temperature:

Section 1: Well Owner

Owner Name

CHILDRESS RICHARD

Mailing Address

8181 HAMPTON RD

City	State	Zip Code
CLEMMONS	NC	27012

Air Test *

25 gpm with drill stem set at feet for 1 hours.
 Time of recovery hours.
 Recovery water level feet.
 Pumping water level 400 feet.

Section 2: Location

Township	Range	Section	Quarter Sections	
07S	06E	24	SW¼ NE¼ SW¼	
County		Geocode		
PARK				
Latitude	Longitude	Geomethod	Datum	
45.20985075955	110.9300491875	TRS-SEC	NAD83	
Ground Surface Altitude		Method	Datum	Date
Addition	Block	Lot		

* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

Section 3: Proposed Use of Water

DOMESTIC (1)
 STOCKWATER (2)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Thursday, April 20, 1995

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	460	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	78.5	6				STEEL
60	460	4				PVC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
430	450	4			1/8 SAW SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	45	BENTONITE	

Section 8: Remarks

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	76	OVERBURDEN SILTS SAND & GRAVELS
76	84	GREEN CLAY SHALE
84	160	BROWN VOLCANICS
160	168	LOSS CIRCULATION ZONE
168	200	BROKEN BLUE & RED BASALT
200	280	HARD FRACTURED BLUE BASALT
280	315	LOSS CIRCULATION ZONE
315	363	STICKY BLUE CLAYS
363	370	HARDER LENSES OF BASALT 2 GPM
370	390	SLIGHTLY FRACTURED FIRM TO HARD BASALT
390	442	HARD BASALT
442	450	HARD FRACTURED BASALT
450	460	FRACTURED BROKEN VOLCANIC RUBBLE CAVES

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:
Company: POTTS DRILLING INC
License No: WWC-512
Date Completed: 4/20/1995

WELL LOG REPORT

File No. _____

State law requires that the Bureau's copy be filed by the water well driller within 60 days after completion of the well.

<p>1. WELLOWNER Name <u>Childress, Richard</u></p> <p>2. CURRENT MAILING ADDRESS <u>8181 Hampton Rd.</u> <u>Clemmons NC 27012</u></p> <p>3. WELL LOCATION SW <u>1/4</u> NE <u>1/4</u> SW <u>1/4</u> Section <u>24</u> Township <u>07S</u> N/S Range <u>06E</u> E/W County <u>Park</u> Gov't Lot _____, or Lot _____, Block _____ Subdivision Name _____ Tract Number _____</p> <p>4. PROPOSED USE: Domestic <input checked="" type="checkbox"/> Stock <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Other <input type="checkbox"/> specify _____</p> <p>5. TYPE OF WORK: New well <input type="checkbox"/> Method: Dug <input type="checkbox"/> Bored <input type="checkbox"/> Deepened <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Driven <input type="checkbox"/> Reconditioned <input type="checkbox"/> Rotary <input checked="" type="checkbox"/> Jetted <input type="checkbox"/></p> <p>6. DIMENSIONS: Diameter of Hole Dia. <u>6</u> in. from <u>0</u> ft. to <u>460</u> ft. Dia. _____ in. from _____ ft. to _____ ft. Dia. _____ in. from _____ ft. to _____ ft.</p> <p>7. CONSTRUCTION DETAILS: Casing: Steel Dia. <u>6</u> from <u>+2</u> ft. to <u>78-5</u> ft. Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Dia. _____ from _____ ft. to _____ ft. Type _____ Wall Thickness _____ Casing: Plastic Dia. <u>4.5</u> from <u>60</u> ft. to <u>460</u> ft. Weight _____ Dia. _____ from _____ ft. to _____ ft. PERFORATIONS: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Type of perforator used _____ Size of perforations <u>Saw Slots</u> in. by _____ in. <u>40</u> perforations from <u>430</u> ft. to <u>450</u> ft. _____ perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ ft.</p> <p>SCREENS: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Manufacturer's Name _____ Type _____ Model No. _____ Dia. _____ Slot size _____ from _____ ft. to _____ ft. Dia. _____ Slot size _____ from _____ ft. to _____ ft.</p> <p>GRAVEL PACKED: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Size of gravel _____ Gravel placed from _____ ft. to _____ ft.</p> <p>GROUTED: To what depth? <u>45</u> ft. Material used in grouting <u>Bentonite</u></p> <p>8. WELL HEAD COMPLETION: Pitless Adapter <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>9. PUMP (if installed) Manufacturer's name <u>Grundfos</u> Type <u>Submersible</u> Model No. <u>16S50-2# 5</u></p> <p>10. WELL TEST DATA The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing. All wells under 100 gpm must be tested for a minimum of one hour and provide the following information: a) Air <input checked="" type="checkbox"/> Pump _____ Bailer _____ b) Static water level immediately before testing _____ ft. if flowing; closed-in pressure _____ psi. _____ gpm. Flow controlled by: _____ valve, _____ reducers, _____ other. (specify) _____ c) Depth at which pump is set for test _____ d) The pumping rate: _____ gpm. e) Pumping water level <u>25</u> ft. at _____ hrs. after pumping began. <u>400</u> _____</p>	<p>f) Duration of test: Pumping time <u>1</u> hrs. g) Recovery time <u>2</u> hrs. h) Recovery water level <u>230</u> ft. at <u>2</u> hrs. after pumping stopped.</p> <p>Wells intended to yield 100 gpm or more shall be tested for a period of 8 hours or more. The test shall follow the development of the well, and shall be conducted continuously at a constant discharge at least as great as the intended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquifer Test Data" form. NOTE: All wells shall be equipped with an access port 1/2 inch minimum or a pressure gauge that will indicate the shut-in pressure of a flowing well. Removable caps are acceptable as access ports.</p> <p>11. WAS WELL PLUGGED OR ABANDONED? Yes _____ No <input checked="" type="checkbox"/> If yes, how? _____</p> <p>12. WELL LOG Depth (ft.) HB From To Formation</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>0</td><td>76</td><td>Overburden, Silts, Sands and gravels</td></tr> <tr><td>76</td><td>84</td><td>Green clay shale</td></tr> <tr><td>84</td><td>160</td><td>Brown volcanics</td></tr> <tr><td>160</td><td>168</td><td>Loss circulation zone</td></tr> <tr><td>168</td><td>200</td><td>Broken blue & red basalt</td></tr> <tr><td>200</td><td>280</td><td>Hard fractured blue basalt</td></tr> <tr><td>280</td><td>315</td><td>Loss circulation zone</td></tr> <tr><td>315</td><td>363</td><td>Sticky blue clays</td></tr> <tr><td>363</td><td>370</td><td>Harder lenses of basalt 2 g</td></tr> <tr><td>370</td><td>390</td><td>Slightly fractured firm to hard basalt</td></tr> <tr><td>390</td><td>442</td><td>Hard basalt</td></tr> <tr><td>442</td><td>450</td><td>Hard fractured basalt</td></tr> <tr><td>450</td><td>460</td><td>Fractured, broken volcanic rubble, caves</td></tr> </table> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center;">JUL 03 1995</p> <p style="text-align: center;">MONTANA D.N.R.C. BOZEMAN FIELD OFFICE</p> <p style="text-align: center;">ATTACH ADDITIONAL SHEETS IF NECESSARY</p> <p>13. DATE COMPLETED <u>April 20, 1995</u></p> <p>14. DRILLER/CONTRACTOR'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. Date <u>April 26, 1995</u> Potts Drilling Firm Name 80730 Gallatin Rd. Bozeman, MT 59715 Address Signature <u>[Signature]</u> License No. <u>512</u></p>	0	76	Overburden, Silts, Sands and gravels	76	84	Green clay shale	84	160	Brown volcanics	160	168	Loss circulation zone	168	200	Broken blue & red basalt	200	280	Hard fractured blue basalt	280	315	Loss circulation zone	315	363	Sticky blue clays	363	370	Harder lenses of basalt 2 g	370	390	Slightly fractured firm to hard basalt	390	442	Hard basalt	442	450	Hard fractured basalt	450	460	Fractured, broken volcanic rubble, caves
0	76	Overburden, Silts, Sands and gravels																																						
76	84	Green clay shale																																						
84	160	Brown volcanics																																						
160	168	Loss circulation zone																																						
168	200	Broken blue & red basalt																																						
200	280	Hard fractured blue basalt																																						
280	315	Loss circulation zone																																						
315	363	Sticky blue clays																																						
363	370	Harder lenses of basalt 2 g																																						
370	390	Slightly fractured firm to hard basalt																																						
390	442	Hard basalt																																						
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450	460	Fractured, broken volcanic rubble, caves																																						

MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
1520 EAST SIXTH AVENUE HELENA, MONTANA 59620-2301 444-8610

DNRC

M: 15 3788

AUG 16 1995

MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)

Site Name: CHILDRESS RICHARD
GWIC Id: 176339

Section 7: Well Test Data

Total Depth: 340
Static Water Level: 78
Water Temperature:

Section 1: Well Owner

Owner Name

CHILDRESS RICHARD

Mailing Address

8181 HAMPTON RD

City	State	Zip Code
CLEMONS	NC	27012

Air Test *

10 gpm with drill stem set at 325 feet for 1 hours.
Time of recovery 0 hours.
Recovery water level 78 feet.
Pumping water level 78 feet.

Section 2: Location

Township	Range	Section	Quarter Sections	
07S	06E	24	SE¼ NE¼ SW¼ SW¼	
County		Geocode		
PARK				
Latitude	Longitude	Geomethod	Datum	
45.2078	110.93	NAV-GPS	NAD27	
Ground Surface Altitude		Method	Datum	Date
Addition	Block	Lot		

* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

Section 3: Proposed Use of Water

OTHER (1)

Section 4: Type of Work

Drilling Method:

Section 5: Well Completion Date

Date well completed: Thursday, May 20, 1999

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	340	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-1.5	90	6				STEEL
66	340	4				PVC-SCHED40

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
306	326	4		1/8X6	SAW SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	0	BENTONITE	

Section 8: Remarks

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	2	TOPSOIL
2	28	CLAY & SILTS W/MIXED GRAVELS
28	35	LARGE COBBLES TO BOULDERS
35	73	MIXED CLAY & SILT W/GRAVELS
73	78	CEMENTED VOLCANICS HARD
78	170	BROWN & GRAY CLAYS
170	175	GRAY SHALE
175	196	GRAY SHALE & BROWN SANDSTONE
196	215	MIXED BLACK SHALE CLAY & SANDSTONE
215	273	SHALE
273	290	RED VOLCANICS
290	335	BASALT BLACK SHALE
335	340	BLACK SHALE & HARD GREEN CLAY

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:
Company: POTTS DRILLING INC
License No: WWC-512
Date Completed: 5/20/1999

MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned well log \(10/10/2011 1:09:25 PM\)](#)

Site Name: CHILDRESS, RICHARD
GWIC Id: 176341

Section 7: Well Test Data

Total Depth: 140
 Static Water Level: 85
 Water Temperature:

Section 1: Well Owner

Owner Name

CHILDRESS RICHARD

Mailing Address

8181 HAMPTON RD

City	State	Zip Code
CLEMONS	NC	27012

Air Test *

15 gpm with drill stem set at 140 feet for 1 hours.
 Time of recovery 0.25 hours.
 Recovery water level 85 feet.
 Pumping water level 125 feet.

Section 2: Location

Township	Range	Section	Quarter Sections	
07S	06E	24	NW¼ SE¼ SW¼	
County		Geocode		
PARK				
Latitude	Longitude	Geomethod	Datum	
45.20803075955	110.9300491875	TRS-SEC	NAD83	
Ground Surface Altitude		Method	Datum	Date
Addition	Block	Lot		

* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

Section 3: Proposed Use of Water

OTHER (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Monday, May 31, 1999

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	140	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	118.5	6				STEEL
40	140	4				PLASTIC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
40	120	4			1/8X1 SAW SLOTS
120	140	4			1/8X1 SAW SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	0	BENTONITE	

Section 8: Remarks

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	11	TOPSOIL & CLAYS
11	33	BROWN RED GRAVELS & CLAY
33	40	RED CLAY W/FINE GRAVELS
40	43	FRACTURED SHALE WET
43	57	VOLCANICSC GREEN SANDSTONE
57	75	TAN CLAY
75	85	FINE GRAVEL W/MIXED BROWN CLAY
85	93	FINE GRAVEL
93	100	COARSE SAND & GRAVEL
100	105	VOLCANIC GRAVELS
105	133	GREEN SHALE SOFT
133	140	COARSE VOLCANIC GRAVEL
140	140	GREEN SHALE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:
Company: POTTS DRILLING INC
License No: WWC-512
Date Completed: 5/31/1999

07S 06E 24 CDB
MONTANA WELL LOG REPORT

1734801

Form No. 603 R2-99

Well ID#

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with DNRC within 60 days of completion of the work.** Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. Optional fields have a grayed background. Record additional information in the REMARKS section.

1. WELL OWNER:
 Name Childress, Richard
 Mailing address 8181 Hampton Rd.
Clemmons, NC 27012

2. WELL LOCATION: List ¼ from smallest to largest
 ¼ NW ¼ SE ¼ SW ¼, Section 24
 Township 7 N/S Range 6 EW County Park
 Lot _____, Tract/Blk _____ Subdivision Name _____
 Well Address _____
 GPS Yes No
 Latitude 45° 12.412 Longitude 110° 55.712
 Error as reported by GPS locator (± feet) _____
 Horizontal datum NAD27 WGS84

3. PROPOSED USE: Domestic Stock Irrigation
 Public water supply Monitoring Well Other: Food Supply

4. TYPE OF WORK:
 New well Deepen existing well Abandon existing well
 Method: Cable Rotary Other: _____

5. WELL CONSTRUCTION DETAILS:

Borehole:
 Dia. 6 in. from 0 ft. to 140 ft.
 Dia. _____ in. from _____ ft. to _____ ft.
 Dia. _____ in. from _____ ft. to _____ ft.

Casing:
 Steel: Wall thickness 250 Threaded Welded
 Dia. 6 in. from 2 ft. to 118-6 ft.
 Dia. _____ in. from _____ ft. to _____ ft.

Plastic: Pressure Rating SCH 40 lbs. Threaded Welded
 Dia. 4.5 in. from 40 ft. to 140 ft.

Perforations/Slotted Pipe:

Type of perforator used Air Saw Slots
 Size of perforations/slots 1/8 in. by 1 in. + 1/8 x 6 (FWS)
1600 no. of perforations/slots from 40 ft. to 120 ft.
40 no. of perforations/slots from 120 ft. to 140 ft.

Screens: Yes No
 Material _____
 Dia. _____ Slot size _____ from _____ ft. to _____ ft.
 Dia. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel Packed: Yes No
 Size of gravel _____
 Gravel placed from _____ ft. to _____ ft.

Packer: Yes No
 Type _____ Depth(s) _____

Grout: Material used Casing Seal Bentonite
 Depth from 0 ft. to _____ ft. OR Continuous feed

6. WELL TEST DATA:

A well test is required for all wells. (See details on well log report cover.)

Static water level 85 ft. below top of casing or
 Closed-in artesian pressure _____ psi.

How was test flow measured:
 bucket/stopwatch, weir, flume, flowmeter, etc. Bucket

Yellowstone groundwater closure area only - Water Temperature _____ °F

AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum

Drawdown is the amount water level is lowered below static level. All depth measurements shall be from the top of the well casing. Time of recovery is hours/minutes since pumping stopped.

Air test*
20 gpm with drill stem set at 140 ft. for 1 hours
 Time of recovery 30 hrs/min Recovery water level 85 ft.

OR Bailer test*

_____ gpm with _____ ft. of drawdown after _____ hours
 Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Pump test*

Depth pump set for test 125 ft.
15 gpm pump rate with 25 ft. of drawdown after 1 hrs pumping
 Time of recovery 15 hrs/min Recovery water level 85 ft.

OR Flowing Artesian*

_____ gpm for _____ hours
 Flow controlled by _____

*During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

7. WELL LOG:

Depth, Feet		Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
From	To	
0	11	Topsoil + Clays
11	33	Brown / Red Gravels + Clay
33	40	Red Clay w/ fine Gravels
40	43	Fractured Shale (w/ct)
43	57	Volcanic, Green Sandstone (2 grain)
57	75	Tan Clay
75	85	Fine Gravel w/ mixed Brown Clay
85	93	Fine Gravel
93	100	Coarse Sand + Gravel
100	105	Volcanic Gravels
105	133	Green Shale, Soft
133	140	Coarse Volcanic Gravel
140		Green Shale

ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED:

9. REMARKS: This well was completed in upper aquifer + is 10 feet from other well completed in lower aquifer

10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) Pots Drilling Inc.

Address 80730 Gallatin Rd Box Mt 59718

Signature David A. [Signature]

Date 5/21/99 License no. WWC 512



MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned well log \(10/10/2011 1:08:29 PM\)](#)

Site Name: CHILDRESS, RICHARD
GWIC Id: 185465

Section 7: Well Test Data

Total Depth: 125
 Static Water Level:
 Water Temperature:

Section 1: Well Owner

Owner Name

CHILDRESS RICHARD

Mailing Address

8188 HAMPTON RD

City	State	Zip Code
CLEMMONS	NC	27012

Air Test *

_ gpm with drill stem set at _ feet for _ hours.
 Time of recovery _ hours.
 Recovery water level _ feet.
 Pumping water level _ feet.

Section 2: Location

Township	Range	Section	Quarter Sections	
07S	06E	24	NE¼ SW¼ NW¼ SW¼	
County			Geocode	
PARK				
Latitude	Longitude	Geomethod	Datum	
45.21030575955	110.93443753125	TRS-SEC	NAD83	
Ground Surface Altitude		Method	Datum	Date
Addition	Block		Lot	

* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

Section 3: Proposed Use of Water

DOMESTIC (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Tuesday, October 24, 2000

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	25	8
25	125	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	83	6	0.250			STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
125	125	6			OPEN BOTTOM

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	25	BENTONITE	

Section 8: Remarks

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	8	BROWN CLAY - DRY TO STICKY
8	35	CLAYBOUND GRAVELS & SMALL BOULDERS
35	40	DARK GRAY CLAY WITH GREEN STREAKS
40	69	WEATHERED GRAY VOLCANIC ROCK & CLAY
69	82	BLACK & BROWN VOLCANIC ROCK - HARD & SOFT AREAS - BRIGHT GREEN DEPOSITS IN ROCK - POROUS POOR CIRCULATION
82	86	BLACK VOLCANIC ROCK - VERY HARD
86	90	SOFTER BLACK ROCK WITH BROWN CLAYS
90	99	CEMENTED GRANITE SHALE TYPE GRAVELS & VOLCANICS LOT OF CLAY - BROWN GRAY & CLACK COLORS
99	102	DARK BROWN CLAYS & BLACK ROCK
102	108	YELLOW CLAYS & BLACK ROCK
108	111	DARK BLuish GREEN CLAYS & ROCK - SOFT
111	125	BROWN & YELLOW CLAYS - VERY LITTLE ROCK

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

<p>Name: Company: HAYES DRILLING License No: WWC-361 Date Completed: 10/24/2000</p>
--

07506E24BCA
MONTANA WELL LOG REPORT

Well ID# **502**

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with DNRC within 60 days of completion of the work. Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.**

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. **Optional fields have a grayed background.** Record additional information in the REMARKS section.

1. WELL OWNER:

Name **Richard Childress**
MAILING ADDRESS **8188 Hampton Rd**
Clemmons, NC 27012

2. WELL LOCATION: List ¼ from smallest to largest

NE ¼ SW ¼ NW ¼ SW ¼, Section **24**

Township **7S** N/S Range **6E** E/W County **Park**

Lot _____ Tract/Bk _____ Subdivision Name _____
Well Address _____
GPS Yes No
Latitude **0505099** Longitude **5006068**
Error as reported by GPS locator (± feet) **44**
Horizontal datum NAD27 WGS84

3. PROPOSED USE: Domestic Stock Irrigation
 Public Water Supply Monitoring Well Other: _____

4. TYPE OF WORK:
 New well Deepen existing well Abandon existing well
Method: Cable Rotary Other: _____

5. WELL CONSTRUCTION DETAIL:

Borehole:

Dia. **8** in. from **0** ft. to **25** ft.
Dia. **6** in. from **25** ft. to **125** ft.
Dia. _____ in. from _____ ft. to _____ ft.

Casing:

Steel: Wall thickness **.250** Threaded Welded
Dia. **6 5/8** in. from **+2** ft. to **83** ft.
Dia. _____ in. from _____ ft. to _____ ft.

Plastic: Pressure Rating _____ lbs. Threaded Welded
Dia. **none** in. from _____ ft. to _____ ft.

Perforations/Slotted Pipe:

Type of perforator used **none**
Size of perforations/slots _____ in. by _____ in.
no. of perforations/slots from _____ ft. to _____ ft.
no. of perforations/slots from _____ ft. to _____ ft.

Screens: Yes No

Material _____
Dia. _____ Slot size _____ from _____ ft. to _____ ft.
Dia. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel Packed: Yes No

Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Packer: Yes No

Type _____ Depth(s) _____

Grout: Material used **Bentonite**

Depth from **0** ft. to **25** ft. OR Continuous feed

6. WELL TEST DATA:

A well test is required for all wells. (See details on well log report cover.)

Static water level **dry** ft. below top of casing or
 Closed-in artesian pressure _____ psi.

How was test flow measured:
bucket/stopwatch, weir, flume, flowmeter, etc _____
Yellowstone groundwater closure area only - Water Temperature _____ °F

AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum

Drawdown is the amount water level is lowered below static level.
All depth measurements shall be from the top of the well casing.
Time of recovery is hours/minutes since pumping stopped.

Air test*

0 gpm with drill stem set at _____ ft. for _____ hours
Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Bailer test*

_____ gpm with _____ ft. of drawdown after _____ hours
Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Pump test*

Depth pump set for test _____ ft.
_____ gpm pump rate with _____ ft. of drawdown after _____ hrs pumping
Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Flowing Artesian*

_____ gpm for _____ hours
Flow controlled by _____

*During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

7. WELL LOG:

Depth, Feet		Material:
From	To	color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
0	8	Brown clay - dry to sticky
8	35	Claybound gravels and small boulders
35	40	Dark gray clay with green streaks
40	69	Weathered gray volcanic rock & clay
69		Black & brown volcanic rock - hard & soft areas - bright green deposits in
	82	rock - porous, poor circulation
82	86	Black volcanic rock - very hard
86	90	Softer black rock with brown clays
90		Cemented granite, shale type gravels and volcanics lot of clay -brown, gray &
	99	black colors
99	102	Dark brown clays and black rock
102	108	Yellow clays and black rock
108	111	Dark bluish green clays and rock - soft
111	125	Brown & yellow clays - very little rock

ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: **10/24/2000**

9. REMARKS:

10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print)

Hayes Drilling Co

Address **2403 Par Court - Bozeman, MT 59715**

Signature *Will Hayes*
Date **10/25/2000** License no. **361/074**

MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned well log \(10/10/2011 1:09:34 PM\)](#)

Site Name: CHILDRESS, RICHARD
GWIC Id: 200400

Section 7: Well Test Data

Total Depth: 358
 Static Water Level: 72
 Water Temperature:

Section 1: Well Owner

Owner Name

CHILDRESS RICHARD

Mailing Address

PO BOX 1189-236 INDUSTRIAL DR

City	State	Zip Code
WELCOME	NC	27374

Air Test *

20 gpm with drill stem set at 300 feet for 2 hours.
 Time of recovery 1 hours.
 Recovery water level 72 feet.
 Pumping water level feet.

Section 2: Location

Township	Range	Section	Quarter Sections	
07S	06E	24	SW¼ SE¼ SE¼ SW¼	
County			Geocode	
PARK				
Latitude	Longitude	Geomethod	Datum	
45.20575575955	110.92816846875	TRS-SEC	NAD83	
Ground Surface Altitude		Method	Datum	Date
Addition	Block	Lot		

* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

Section 8: Remarks

WELL PRODUCED OVER 30 GPM DEWATERING TO ABOUT 20 GPM OVER A PERIOD OF DRILLING -SEEMED TO STABILIZE AT ABOUT 20 GPM MORE PERFORATIONS FROM 290 TO 320

Section 3: Proposed Use of Water

DOMESTIC (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Wednesday, October 09, 2002

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	360	8

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	358	8	0.250			STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
140	180	8		1/8	HOLTE PERFORATOR SLOTS
240	260	8		1/8	HOLTE PERFORATOR SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	40	BENTONITE	

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	45	SAND GRAVEL AND LARGE BOULDERS
45	52	BENTONITE CLAY
52	73	LARGE BOULDERS AND GRAVEL
73	235	RED VOLCANIC ROCK (70 -75 2GPM) (140 - 155 10 GPM)(160 -180 10 GPM)
235	245	TAN VOLCANIC ROCK (5-6 GPM)
245	295	RED VOLCANIC ROCK
295	340	BLACK SLATE LIKE ROCK HARD AND SOFT (295 5-10 GPM)
340	360	SOFT GREEN ROCK - FLAKEY (DECOMPOSED GRANITE)

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:
Company: HAYES DRILLING
License No: WWC-361
Date Completed: 10/9/2002

7S 6E 24 CDDC
MONTANA WELL LOG REPORT

Form No. 603 R2-99

Well ID# 669

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with DNRC within 60 days of completion of the work. Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.**

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. Optional fields have a grayed background. Record additional information in the REMARKS section.

1. WELL OWNER:

Name **Richard Childress**
MAILING ADDRESS **P.O. Box 1189 - 236 Industrial Dr**
Welcome, NC 27374

2. WELL LOCATION: List ¼ from smallest to largest

SW ¼ SE ¼ SE ¼ SW ¼, Section 24
Township **7S** N/S Range **6E** E/W County **Park**
Lot _____, Tract/Blk _____ Subdivision Name _____
Well Address **Rock Creek**
GPS Yes No
Latitude **0505612** Longitude **5005563**
Error as reported by GPS locator (± feet) **48**
Horizontal datum NAD27 WGS84

3. PROPOSED USE: Domestic Stock Irrigation
 Public Water Supply Monitoring Well Other:

4. TYPE OF WORK: New well Deepen existing well Abandon existing well
Method: Cable Rotary Other:

5. WELL CONSTRUCTION DETAIL:

Borehole:
Dia. **8** in. from **0** ft. to **360** ft.
Dia. _____ in. from _____ ft. to _____ ft.
Dia. _____ in. from _____ ft. to _____ ft.

Casing:
Steel: Wall thickness **.250** Threaded Welded
Dia. **6** in. from **+2** ft. to **358** ft.
Dia. _____ in. from _____ ft. to _____ ft.
Plastic: Pressure Rating **n/a** lbs. Threaded Welded
Dia. _____ in. from _____ ft. to _____ ft.

Perforations/Slotted Pipe:
Type of perforator used **Holte**
Size of perforations/slots **1/8** in. by **1** in.
640 no. of perforations/slots from **140** ft. to **180** ft.
320 no. of perforations/slots from **240** ft. to **260** ft.

Screens: Yes No
Material
Dia. _____ Slot size _____ from _____ ft. to _____ ft.
Dia. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel Packed: Yes No
Size of gravel
Gravel placed from _____ ft. to _____ ft.

Packer: Yes No
Type _____ Depth(s) _____

Grout: Material used **Bentonite**
Depth from **0** ft. to **40** ft. OR Continuous feed.

6. WELL TEST DATA:

A well test is required for all wells. (See details on well log report cover.)

Static water level **72** ft. below top of casing or
 Closed-in artesian pressure _____ psi.
How was test flow measured:
bucket/stopwatch, weir, flume, flowmeter, etc **bucket/stopwatch**
Yellowstone groundwater closure area only - Water Temperature _____ °F
 AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum

Drawdown is the amount water level is lowered below static level.
All depth measurements shall be from the top of the well casing.
Time of recovery is hours/minutes since pumping stopped.

Air test*

20 gpm with drill stem set at **300** ft. for **2** hours
Time of recovery **1** hrs/min. Recovery water level **72** ft.

OR Bailer test*

_____ gpm with _____ ft. of drawdown after _____ hours
Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Pump test*

Depth pump set for test _____ ft.
_____ gpm pump rate with _____ ft. of drawdown after _____ hrs pumping
Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Flowing Artesian*

_____ gpm for _____ hours

Flow controlled by _____

*During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

7. WELL LOG:

Depth, Feet		Material:
From	To	color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
0	45	Sand, gravel & large boulders
45	52	Bentonite clay
52	73	Large boulders & gravel
73		Red volcanic rock (70 - 75 2 gpm) (140 - 155 10 gpm)
	235	(160 - 180 10 gpm)
235	245	Tan volcanic rock (5 - 6 gpm)
245	295	Red volcanic rock
295		Black slate-like rock hard & soft
	340	(295 5 - 10 gpm)
340		Soft green rock - flakey (decomposed granite)
	360	

Well produced over 30 gpm dewatering to about 20 gpm over period of drilling - seemed to stabilize at about 20 gpm
More perforations from 290 to 320

ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: 10/09/2002

9. REMARKS:

10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print)

Hayes Drilling Co

Address **2403 Par Court - Bozeman, MT 59715**

Signature *Will Hayes*

Date **10/31/2002**

License no. **361/074**

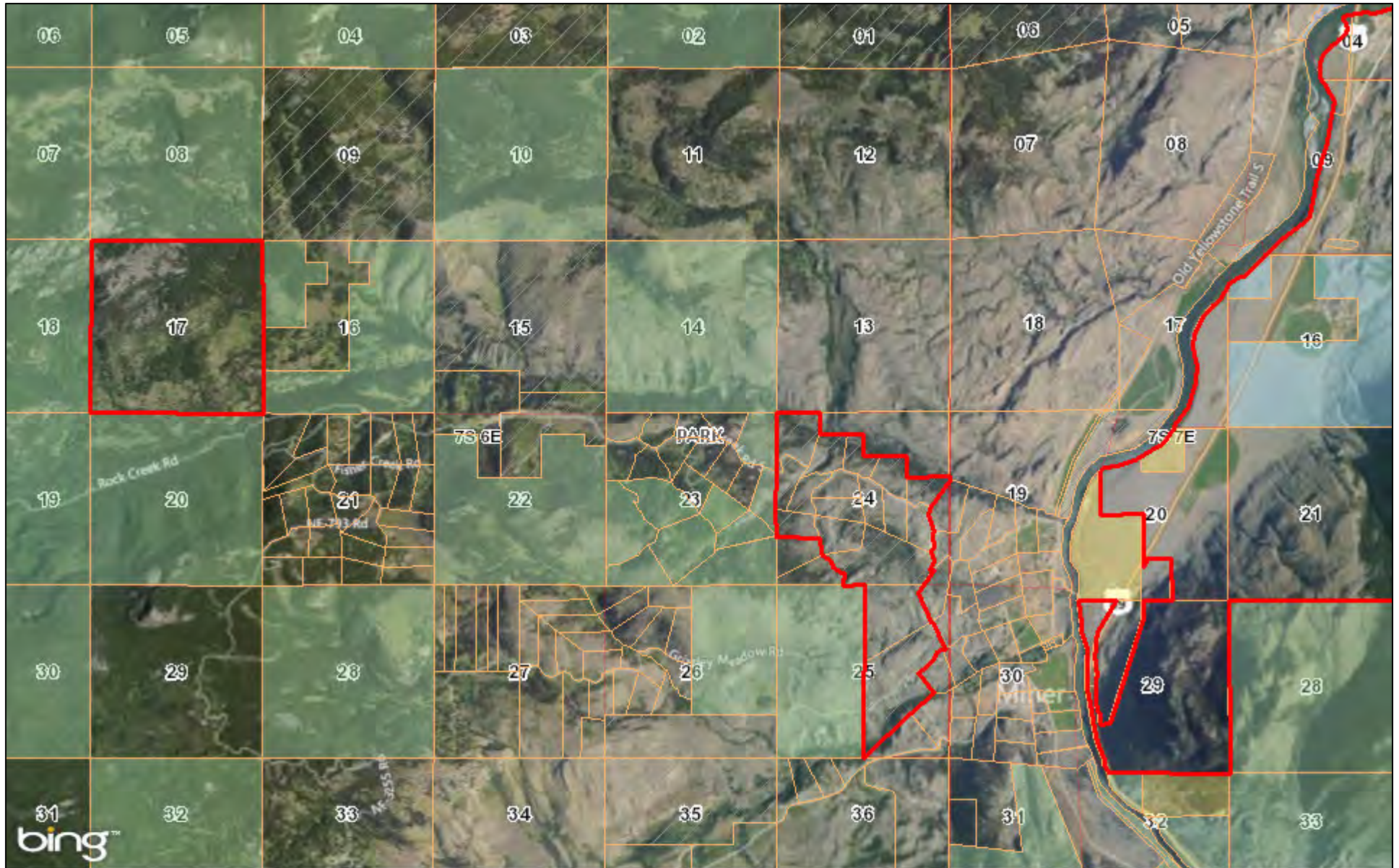
DNRC



Google earth






Rahn Land Map Viewer

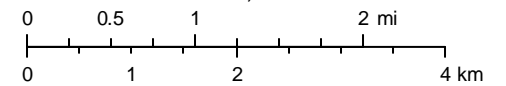


July 19, 2014

Active Listing

-  Parcels
-  Conservation Easements
-  <all other values>

1:72,224



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