

Permit No. 11-7419

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Staff Analysis Field Report for Exempted Wells

1. X Copy of Permit
2. X Copy of proof of beneficial use
3. X Copies of amendments, orders with conditions
4. X Permit is for one owner
5. X Confirm one owner of the place of use
X Tax lot Research
6. X Aerial photo of parcel for the water right file (copy of aerial required)
7. X Well driller's report
8. X Domestic use only
9. X 0.04 cfs or less on water permit

On the proof of beneficial use form 0.025cfs was submitted for the total rate of diversion. Therefore, the license was reduced to 0.03cfs

10. X Check if alternative source of water is available for domestic use:

WR# 11-4138, source is spring tributary to Porcupine Hollow Creek, domestic use for visitors to Minnetonka Cave.

11. X Other information:

Volume calculation:

In 2010 34,310 people visited the cave which was the highest numbers on record.

According to the Forest Service Handbook the approximate water use would be 1 gallon per day per person.

$135 \text{ visitors per day} * 1 \text{ gpd per day} * 185 \text{ days} = 24,975 \text{ gallons or } 0.076 \text{ AF}$

Rounded up to the next 10th = 0.1 AF

Note: Water use estimates from Forest Service Handbook 7409.11, Section 44.11-Exhibit 01.

AUTHENTICATION

Examiner Name Cody Allen Date 01/19/2012

Reviewer _____ Date _____

Form 246-7
3/96
ANDREW

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

057769

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat : : Long : : :

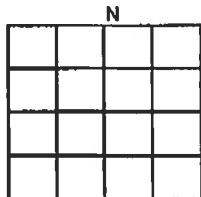
1. DRILLING PERMIT NO. 11-96-E-0032-000
Other IDWR No. 11-07419

2. OWNER:

Name US Dept of Agriculture/Forest Service/Caribou National Forest
Address 250 South 4th Ave., Suite 172
City Pocatello State ID Zip 83201

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 15 North ☐ or South ☒
Rge. 42 East ☒ or West ☐
Sec. 26, 1/4, NE1/4, SW 1/4
10 Acres 40 Acres 160 Acres
Gov't Lot _____ County Bear Lake
Lat: : : Long: : :
Address of Well Site Minnetonka Caves
City _____

(Give at least name of Road+ Distance to Road or Landmark)

Lot No. _____ Block No. _____ Subd. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement ect.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	
Material	From	To	Sacks or Pounds	Method
Cement	0	25	1316	Overbore

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER

Dia	From	To	Gauge	Material	Casing Liner Welded Threaded
8	+1.5	452	.250	steel	☒ ☐ ☐ ☐
					☐ ☐ ☐ ☐
					☐ ☐ ☐ ☐

Length of Headpipe: _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____

☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
352	452	1/4 x 4	400			☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

322 ft below ground Artesian pressure _____ lb

Depth flow encountered _____ ft Describe access port or control devices: Well Seal

11. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
6gpm	17 ft	339	5.5 hr

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encountered: 419 ft

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	6	Silt & gravel		X
	6	10	Gray Limestone		X
10	10	16	Gay Limestone		X
	16	17	Mudstone, brown		X
	17	25	Gray limestone		X
	25	26	Mudstone, brown		X
	26	62	Gray limestone		X
	62	62.5	Fracture		X
	62.5	166	Gray limestone		X
	166	209	Fractured Limestone		X
	209	256	Broken Limestone		X
	256	268	Gray limestone		X
	268	280	Soft black limestone		X
	280	327	Gray limestone		X
	327	338	Fractured gray limestone		X
	338	418	Gray limestone		X
	418	420	Clay & mudstone, Brown	X	
	420	444	Gray Limestone		X
	444	447	Broken Limestone	X	
	447	463	Gray Limestone, Broken	X	

Completed Depth 463 ft (Meastdreable)

Date: Started: 09/24/96 Completed: 10/29/96

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm: Andrew Well Drilling Services, Inc. Firm # 5

Firm Official: _____ Date: 11/11/96

and Supervisor/Operator: matth Zilber Date: 11/11/96

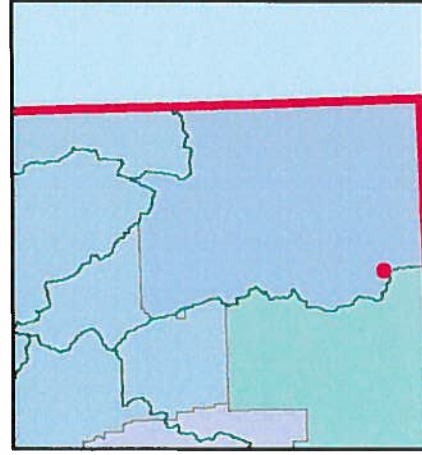
Sign once if Firm Official & Operator



Idaho Department of Water Resources

Water Right
11-7419
(DOMESTIC)

- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters
- Taxlots



Bear Lake County
IDWR Basin 11

Prepared by Allen, Cody

2009 Aerial Photography

