

63

Form 235-1

10/1/03

Drilling Permit No. 909526-858097
Drilling Permit I.D. Tag No. D6055752
Water Right Permit No. _____
Injection Permit No. 63-W-0272-001

State of Idaho
Department of Water Resources

APPLICATION FOR DRILLING PERMIT

(FOR THE CONSTRUCTION OF A WELL)

1. Owner (please print): ^{odi} J & D MILLER ^{Douglas F.}

2. Mailing Address: 22542 BIG LOON Way 8038 Waterside Ave

City: CALDWELL State: ID Zip Code: 83607 Telephone ^{Nampa} (208) 461-0936 ⁸³⁶⁸⁷

3. Proposed Well Location: Twp. 4N, Rge. 3W, Sec. 10, SE 1/4 SW 1/4 NW 1/4;

Gov't Lot No. _____ County CANYON Lat. _____ Long. _____

Street Address of Well Site SAME LT BIK 3 Jaylor Ridge Sub

Lot, block and subdivision 43° 41' 56.98" N 116° 41' 22.03" W

4. Proposed Use of Well:
 DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

NON-DOMESTIC: [] Irrigation [] Municipal [] Industrial
[] Livestock [] Test [] Other _____
Type _____ Number Hd. _____ (Describe)

INJECTION

[] MONITORING: A well bore schematic and map is required for each blanket permit. No. of proposed wells: _____

5. Well Construction Information:

A. New well [] Modify [] Replace

B. Proposed Casing Diameter 6 Proposed Maximum Depth 100'

C. Anticipated bottom hole temperature:
[] 85 F or less (Cold Water Well) [] 85 F to 212 F (Low Temp. Geo. Well) [] 212 F. or more (Geothermal Well)

6. Construction Start Date: ASAP November 16, 2009

7. Anticipated Well Driller: CORKY DAVIS Driller's Lic. No. 101
NOTE: The actual well driller must be identified prior to drilling.

8. Applicant's Signature: Coralie Davis Date 11-5-09

Address (if different than owner): 415 S. P.T LANE

City: NAMPA State: ID Zip Code: 83687 Telephone 466-5765

Title: Davis Well Pump
(Owner, Firm Representative, Other)

RECEIVED

NOV 05 2009

WATER RESOURCES
WESTERN REGION

D0055752

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This Permit is APPROVED

Date 11.9.09

If approved, this permit authorizes the construction or modification of a well subject to the following conditions. **READ CAREFULLY!**

GENERAL CONDITIONS:

1. This drilling permit is valid for two (2) months from the above approval date for the start of construction and is valid for one(1) year from the approval date for completion of the well unless an extension has been granted.
2. This permit does not constitute an approval of the District Health Department or the Idaho Department of Health and Welfare, which may be required before construction of the well. All wells must be drilled a minimum distance of 100 feet from a drain field. Domestic and Public Water Supply wells must be drilled a minimum of 50 feet and 100 feet respectively from a septic tank.
3. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
4. Approval of this drilling permit does not authorize trespass on the land of another party.
5. This permit does not constitute other local, county, state or federal approvals, which may be required for construction of a well.
6. This drilling permit does not represent a right to divert and use the water of the State of Idaho. If the well being drilled is associated with approved water right(s) use of the well must comply with conditions of said water right(s).
7. If a bottom hole temperature of 85 or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.
8. Idaho Code, S 55-2201 - 55-2210 requires the applicant and/or his contractors to contact "Digline" (DigLine is a one-call center for utility notification) not less than 2 working days prior to the start of any excavation for this project. The "DigLine" Number for your area is 1-800-342-1585.
9. Please be advised that this drilling permit should be considered and treated as a preliminary permit. If you are in disagreement with this preliminary permit you have fourteen (14) days of the service date of this permit to petition the Department for reconsideration pursuant to Section 67-5243, Idaho Code.
10. The well tag for the drilling permit/start card shall be securely and permanently attached to the well casing through welding or by the use of four closed end domed stainless steel pop rivets. The tag attachment will be done at the time of completion of the well, and prior to removing the drill rig from the drill site.

SPECIFIC CONDITIONS:

THIS WELL SHALL NOT BE USED PENDING APPROVAL OF THE ASSOCIATED INJECTION PERMIT NO. 63-W-0272-001.


Signature of Authorized Department Representative

SENIOR WATER
Title
RESOURCE AGENT

Receipt No. W037985 Received by SB Fee \$125.00 Date 11-5-09
+ presold

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension expires: _____

Idaho Department of Water Resources Receipt

Receipt ID: W037985

Payment Amount \$225.00 Date Received 11/5/09 2:01 Region WESTERN
Payment Type Check Check Number 7914
Payer DAVIS WELL DRILLING

Comments APPLICATION FOR PERMIT TO CONSTRUCT INJECTION WELL D0055752 FOR J &
DOUGLAS MILLER
TAYLOR RIDGE EST L7 BLK 3
WELL UPGRADE FEE FOR D0055752 FOR INJECTION USE

Fee Details

Amount	Description	Fund	Fund Detail	PCA	Subobject
\$100.00	INJECTION APPLICATION	0229	21	62119	1155
\$125.00	DRILLING PERMITS	0229	21	62134	1205



Signature Line (Department Representative)



Canyon County, Assessor
Gene Kuehn, Assessor

Site Provided by...
 governmax.com T1.13

Parcel



Address
 1 of 1

Property Info

Parcel Number
 34708134 0

Site Address
 22542 BIG LOON WAY, CALDWELL

Current Total Assessed Value
 \$50,040

Parcel

Print View

Owner Information

Searches

- Address**
- Parcel Number
- Sales Search

Owner Name MILLER DOUGLAS F
Mailing Address 8038 WATERSIDE AVE
 NAMPA ID 83687
Transfer Date 05/30/2008
Document # 2008029397
Deed Book/Page

Functions

- Welcome Page
- Login / Logout
- Property Search
- Mapping →
- Help
- Contact Us
- Subscriptions

Location / Description

Tax District	032-00	Section & Plat	
Canyon County	001,	Routing #	
Parcel Address	22542 BIG LOON WAY, CALDWELL	Legal Desc.	10-4N-3W NW TAYLOR RIDGE SUB LT 7 BLK 3
Deeded Acreage	1.0100		

Parcel Type

Topography

Services

Property Class Code	515 - Rural resid subdivisions	Level Ground	N	Water	
Neighborhood Code	300000	High	N	Sewer	
Neighborhood Factor	.00	Low	N	Natural Gas	
Street / Road Code		Rolling	N	Electricity	N
		Swampy	N	Sidewalk	
				Alley	N

Assessment Information

Current Land Value	\$50,040	Residential Land	\$0	Adjustment Factor	0.00
Current Imp. Value	\$0	Residential Imp.	\$0	Average Value / Acre	\$0
Current Total Assessed Value	\$50,040	Residential Total	\$0	Appraisal Date	9/15/2009
Commercial Land	\$100	Non-Res Land	\$0	Reason For Change	23
Commercial Imp.	\$0	Non-Res Imp.	\$0	Prior Land Value	\$60,200
Commercial Total	\$100	Non-Res Total	\$0	Prior Imp. Value	\$0
Dwelling Value	\$0	Classified Land Value	\$0		
Farmland Value	\$0	Homesite Value	\$0		

(THIS INFORMATION IS FOR REFERENCE USE OF CANYON COUNTY ONLY)
 (IT MAY CONTAIN ERRORS, AND IS SUBJECT TO CHANGE WITHOUT NOTICE)

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Latitude/Longitude Help Page

Here is your coordinate, expressed in the three formats:

	Format	Latitude	Longitude
	Decimal Degrees:	43.69917	-116.68944
	Degrees, Decimal Minutes:	43, 41.9500	-116, 41.3667
	Degrees, Minutes, Seconds:	43, 41, 57.0	-116, 41, 22.0

The tools below allow you to convert coordinates between the three formats.

Latitude Longitude Conversion Application

Enter a coordinate and press the Calc button next to it.

Latitude Degrees Minutes Seconds 45 0 0.0	Longitude Degrees Minutes Seconds 104 0 0.0	<input type="button" value="Calc D/M/S"/>
Latitude Degrees Decimal Minutes 45 0.00	Longitude Degrees Decimal Minutes 104 0.00	<input type="button" value="Calc D/M.mm"/>
Latitude 45.00	Longitude 104.00	<input type="button" value="Calc D.ddd"/>

Latitude Longitude Conversion Equation Examples

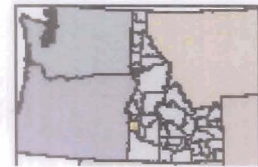
There are 60 minutes in a degree and 60 seconds in a minute. There are 3,600 seconds in a degree. To convert Degrees and Decimal Minutes to Decimal Degrees, divide the Minutes by 60 and add this number to the degrees.

Conversion from Degrees, Minutes, and Seconds to Decimal Degrees	Conversion from Decimal Degrees to Degrees, Minutes and Seconds
<p>46 degrees, 10 minutes, 28 seconds</p> <p>Decimal Degrees = Degrees + (Minutes/60) + (Seconds/3600)</p> <p>Decimal Degrees = 46 + (10/60) + (28/3600)</p> <p>Decimal Degrees = 46 + (0.1666667) + (0.0077778)</p> <p>Decimal Degrees = 46.17444</p>	<p>Decimal Degree = D.ddd 46.17444</p> <p>Degrees (D) = D.ddd - .ddd 46.17444 - 0.17444 = 46</p> <p>Decimal Minutes .ddd * 60 0.17444 * 60 = 10.4664</p> <p>(M.mmm) =</p> <p>Minutes (M) = M.mmm - .mmm 10.4664 - 0.4664 = 10</p> <p>Seconds (S) = .mmm * 60 0.4664 * 60 = 27.984</p>

Idaho Department of Water Resources

Well Drillers' Locator

The lat/long you provided was 43° 41' 59.980" N; 116° 41' 22.030" W
SW quarter of the NW quarter of Section 10, Township 04N, Range 03W
IDTM NAD83 coordinates: Easting=2283288; Northing=1392292



Choose the map-display background:



Wells Water Rights Water Right Permits Adjudication Claims Adjudication Recommendations
* Positions of wells/headgates may be based upon the center of a quarter-quarter section; those obtained by GPS or survey are accurate.

Drilling restrictions may apply to these areas.

- Areas Drilling Concern
- Contamination Areas
- Nitrate Priority Areas
- Critical Ground Water Areas
- Ground Water Management Areas

Note: If you do not see a yellow dot in the middle of the map, press the "refresh" button on your browser.

Permit No. 63-W-0272-001



**APPLICATION FOR PERMIT TO CONSTRUCT, MODIFY
OR MAINTAIN AN INJECTION WELL**

IDAHO DEPARTMENT OF WATER RESOURCES
322 East Front St., PO Box 83720, Boise, ID 83720-0098
Under the Provisions of Title 42, Chapter 39 of the Idaho Code

I. INFORMATION REQUIRED FOR ALL INJECTION WELLS

A. Application Type:

- New Injection Well Operating Permit (A Drilling Permit is also required prior to construction)
- Permit to Modify an Existing Injection Well
- Renew Operating Permit of an Existing Injection Well

B. Legal Owner:

Name J & D Miller
 Organization Name _____
 Mailing Address 22542 Big Loop
 City CALDWELL State IDAHO Zip Code 83607
 Phone No. 1 _____ Phone No. 2 _____

**If the property will change ownership soon, provide contact information for future owner:

C. Well Location:

Facility Name SAME AS ABOVE Taylor Ridge Est.
 Address Lot 7 Blk 3
 City _____ State _____ Zip Code _____
 County CANYON Facility Phone No. _____

Provide one of the following two options:

- 1) GPS Location (Datum = WGS84):
 Latitude 43° 41' 54.98" N Longitude 116° 41' 22.03 W

(You can check the accuracy of your GPS data with the "Well Diller's Locator Tool" here: "www.idwr.idaho.gov/gisdata/mapserver.htm")

- 2) A USGS Topographic Map or aerial photo with the well location marked and Township, Range, Section information.

Township 4N Range 3W Section 10 (1/4, 1/4, 1/4) SW (1/4, 1/4) NW (1/4 Section) _____

(Get free maps using this tool: <http://maps.idwr.idaho.gov/IrrigationRightsFinder>)

D. Well Operation:

Frequency of Injection: Continuous Seasonal Intermittent

Maximum Average Weekly Rate 7.5 cfs gpm
(Guidance on page 5)

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NOV 05 2009

E. Injection Well Classification: (Circle the proper code.)

Code:	Injection Activity Associated With:	Code:	Injection Activity Associated With:
5A5	Electric Power Generation	5W10	Cesspools
5A6	Geothermal Heat (H ₂ O Temp > 85° F)	5W11	Septic Systems (General)
5A7	Closed-Loop Heat Pump Return (H ₂ O Temp < 85° F)	5W12	Water Treatment Plant Effluent
5A8	Aquaculture Return Flow	5W20	Industrial Process Water
5A19	Cooling Water Return (Industrial Cooling)	5W31	Septic Systems (Well Disposal)
5B22	Saline Water Intrusion Barrier	5W32	Septic Systems (w/ Drainfield)
5D2	Storm Water Runoff (Roadway/Pavement Drainage)	5X13	Mine Tailing Backfill
5D3	Improved Sinkholes	5X14	Solution Mining
5D4	Industrial Storm Runoff (Building/Pavement Drainage)	5X15	In-Situ Fossil Fuel Recovery
5F1	Agricultural Runoff Waste (Agricultural Drainage)	5X16	Spent Brine Return Flow
5G30	Special Drainage Water (Rarely Used)	5X25	Experimental Technology
5N24	Low-Level Radioactive Waste	5X26	Aquifer Remediation
5R21	Aquifer Storage & Recharge	5X27	Other Wells (Rarely Used)
5S23	Subsidence Control	5X28	Service Station Wells (Motor Vehicle Waste Disposal)
5W9	Untreated Sewage	5X29	Abandoned Drinking Wells (Converted from Domestic)

F. Well Construction Information: (Attach well log, if available)

As Built Expected Construction Well Modification

IDWR Drilling Permit No. _____ Well Tag No. D0055752

Total Well Depth: 100 (ft)

Well Casing: Diameter 6 (in) Depth 100 (ft)

Ht. above Ground Surface 2 (ft) Casing Type STEEL

Perforation: From N/A (ft) To N/A (ft)

Surface Seal: Depth 20 (ft) Seal Type BENTONITE

Construction Date (Indicate Actual, Approximate or Anticipated): ASAP
Driller's Name: CORKY DAVIS

For well modifications describe purpose and intended changes:

G. Adjacent Features: (OWNER'S WELL) nothing else close for house

Depth to Groundwater _____ (ft) Estimate Measured Date Measured _____

Distance to Nearest Domestic Well 20 (ft) Direction W

Distance to Nearest Drain Field 120 (ft) Direction SE

II. INFORMATION REQUIRED ONLY FOR HEAT EXCHANGE (CLASS 5A7) INJECTION WELLS

Do you have a water right for the heat pump?

No Yes Water Right # _____

Have you applied for a water right for the heat pump?

No Yes Water Right Application # _____

Please check all of your domestic uses:

Household Irrigation ($\leq 1/2$ acre) Livestock
 Heat Pump Other _____

* Attach documentation from your heat pump manufacturer that indicates how many gallons per day your heat pump will use during peak heating and cooling days.

** Applicants seeking permits for a Heat Exchange Injection Well can skip Section III.

III. INFORMATION REQUIRED FOR ALL INJECTION WELLS, EXCEPT HEAT EXCHANGE (CLASS 5A7) INJECTION WELLS

A. Alternative Methods to Injection Well Use:

Describe alternatives to the use of an injection well for waste disposal None

Why were the above alternative methods rejected? Large Rock on top

B. Water Treatment Prior to Injection:

Filtration Chemical Treatment Ultra-Violet Treatment
 Settling Pond Length _____ (ft) Width _____ (ft) Depth _____ (ft)
 Other _____

C. Is this injection well part of a contamination remediation system? Yes No
If yes, please attach a copy of the signed regulatory approval for the remediation action, description of the remediation system, and intended use of the injection well.

D. Constituents in Waste Stream:

Hazardous wastes Automotive fluids Herbicides
 Pesticides Other additives or chemicals _____

E. Attach a topographic map or aerial photo showing a one-mile radius of the injection well. Identify the following on the map/photo:

1. Location of the injection well.
2. Location of domestic wells.
3. Outline of area draining to the injection well.
4. Land uses occurring in drainage area.
5. Location of wastewater land application operations.
6. Location of confined animal feeding operations.
7. Location of dairy operations.
8. Location of hazardous waste facilities.

IV. APPLICANT SIGNATURE

Be it known that the undersigned hereby makes Application for Permit to Construct or Maintain an Injection Well. The above information is true and correct to the best of my knowledge.

11/5/09
Date

Douglas Miller
Signature

owner
Title

Douglas Miller
Print Name

V. PROCESSING FEE

A \$100.00 processing fee must be submitted for each permit application. A separate permit application and processing fee must be submitted for each injection well. Make checks payable to: Idaho Department of Water Resources.

Applications and fees can be submitted your nearest IDWR office:

IDWR Northern Region
7600 N Mineral Dr., Suite 100
Coeur d'Alene, ID 83815
Ph: (208) 762-2800

IDWR Southern Region
1341 Fillmore St., Suite 200
Twin Falls, ID 83301
Ph: (208) 736-3033

IDWR Eastern Region
900 North Skyline
Idaho Falls, ID 83402
Ph: (208) 525-7161

IDWR Western Region
2735 Airport Way
Boise, ID 83705
Ph: (208) 334-2190

IDWR State Office
322 East Front St., PO Box 83720
Boise, ID 83720-0098
Ph: (208) 287-4800.

For Department Use Only

I have examined Application No. _____ and said application is hereby _____ subject to the attached conditions.

Witnessed by my hand this _____ day of _____, 20_____

Official, Idaho Department of Water Resources

Title



UIC Program Guidance For Calculating the Average Weekly Injection Rate

The UIC Program does not dictate what method you use to calculate the Average Weekly Injection Rate for your injection well. The following are options you can use to make your calculation or for guidance to develop your own method.

Example 1 – Heat Pump (Injection well class 5A7)

Pumping rate of heat pump in gallons per minute (gpm)		Hours per day heat pump will run on coldest day of year		Number of days per week heat pump will run during week coldest day occurs		Constant to convert to gallons per minute (gpm)	=	Average Weekly Injection Rate (gpm)
8 gal/min	X	18 hours/day	X	7 days/wk	X	0.00595 wks/hour	=	6.0 gpm

Example 2 – Sprinkler Irrigation Return Flow (Injection well class 5F1)

Number of acres drained		Volume of water applied		% waste water		Constant to convert to gallons per minute (gpm)	=	Average Weekly Injection Rate
40 acres	X	9 gal/min/acre x 10080 min/wk	X	0.05	X	0.000099 wk/min	=	18 gpm
40 acres	X	0.02 ft ³ /sec/acre x 604800 min/wk	X	0.05	X	0.0000017 wk/min	=	0.04 cfs

Example 3 – Theoretical Calculation of Flow Through a Pipe

The calculation used to generate this table assumes unrestricted flow through a well casing of the designated size. The calculation represents the maximum injection rate that is theoretically possible, which may be significantly larger than the subsurface will actually allow. Using this calculation will result in a relatively large radius of influence, which may cause your permit to include a monitoring requirement.

Well Diameter	Average Weekly Injection Rate
6"	2.5 cfs
8"	4.4 cfs
10"	6.8 cfs
12"	9.8 cfs
14"	13.4 cfs

Idaho Department of Water Resources Receipt

Receipt ID: W037985

Payment Amount \$225.00 Date Received 11/5/09 2:01 Region WESTERN
Payment Type Check Check Number 7914
Payer DAVIS WELL DRILLING

Comments APPLICATION FOR PERMIT TO CONSTRUCT INJECTION WELL D0055752 FOR J &
DOUGLAS MILLER
TAYLOR RIDGE EST L7 BLK 3
WELL UPGRADE FEE FOR D0055752 FOR INJECTION USE

Fee Details

Amount	Description	Fund	Fund Detail	PCA	Subobject
\$100.00	INJECTION APPLICATION	0229	21	62119	1155
\$125.00	DRILLING PERMITS	0229	21	62134	1205

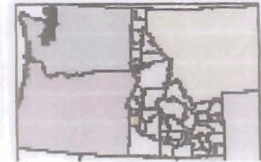


Signature Line (Department Representative)

Idaho Department of Water Resources

Well Drillers' Locator

The lat/long you provided was 43° 41' 56.980" N; 116° 41' 22.030" W
SW quarter of the NW quarter of Section 10, Township 04N, Range 03W
IDTM NAD83 coordinates: Easting=2283285; Northing=1392199



Choose the map-display background:

Photo

Topo



Add Layer

Wells

Water Rights

Water Right Permits

Adjudication Claims

Adjudication Recommendations

* Positions of wells/headgates may be based upon the center of a quarter-quarter section; those obtained by GPS or survey are accurate.

Drilling restrictions may apply to these areas.

Hide areas of possible drilling restriction



Areas Drilling Concern



Contamination Areas



Nitrate Priority Areas



Critical Ground Water Areas



Ground Water Management Areas

Note: If you do not see a yellow dot in the middle of the map, press the "refresh" button on your browser.

Miller

Idaho Department of Water Resources

Irrigation District and Water Rights Finder

[Home](#) |
 [IDWR Home](#) |
 [Other Maps](#) |
 [Alternative Text Based Search](#) |
 [Contact Us](#) |
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Map Tools

Display Layers

- PLS
- Water Rights
- Recommendations
- Irrigation Company

Map Background

- No Background
- USGS Quadrangle
- Aerial Photo

Legend (hide)

Search By Address

Address

City

Find Address

Search By Parcel Number

PIN

County

Choose A County

If a county is missing from the list then we do not have its parcel information
Find PIN

Search By PLSS

Township

4

North

South

Range

3

East West

Section

10

Quarter-Quarter

SWNW

Find Township

Previous Queries

04N03W10SWNW

Irrigation Companies

**BLACK CANYON IRRIGATION DIST
CANYON COUNTY WATER CO LTD**

All land within the boundary may not have water delivery. Please contact the company for more information regarding water delivery to your area of interest.

The boundary encompassing the place of use for water right(s) of Large Place of Use Organizations are described with a digital boundary as defined by I.C. Section 42-202B(2) and authorized pursuant to I.C. Section 42-1411(2)(h). The delivery of water to the acreage authorized for the water right(s) within the boundary is controlled by the Large Place of Use Organization.

Water Right #	Owner	Action
63-2878	BLACK CANYON IRRIGATION DIST	Select Details
63-2322	US DEPT OF INTERIOR	Select Details
63-2406	DRAINAGE DIST NO 2	Select Details

Shapes represent an approximation of the water right extent. Please review each water right of interest either on-line (choose the Details link) or by contacting IDWR (208-287-4800).

Township	Range	Section	QQ
04N	03W	10	NENW
04N	03W	10	NWNW
04N	03W	9	NENE
04N	03W	10	SENW
04N	03W	10	SWNW
04N	03W	9	SENE
04N	03W	10	NWSW
04N	03W	9	NESE
04N	03W	10	NESW

[Clear Search Results](#)

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