

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E
CHEYENNE, WYOMING 82002
(307) 777-6163

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL OR SPRING

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

PERMIT NO. U.W. 181468 NAME OF WELL/SPRING J.G. THOMPSON #1

1. NAME OF OWNER JASON G. THOMPSON

2. ADDRESS 299 Trabing Road

City Buffalo State WY Zip Code 82834 Phone No. 307-684-8641

3. USE OF WATER ☒ Domestic ☐ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous
☐ Monitor or Test ☐ Coal Bed Methane Explain proposed use (Example: One single family dwelling) house

4. LOCATION OF WELL/SPRING SW 1/4 NW 1/4 of Section 18, T. 49 N., R. 81 W., of the 6th P.M. (or W.R.M.)
Subdivision Name _____ Lot _____ Block _____
Resurvey Location Tract _____ or Lot 2 Datum ☐ NAD27 ☒ NAD83
Geographic Coordinates: Latitude 44°13.023 N Longitude 106°39.353 W (degrees, minutes, seconds)
UTM: Zone _____ Northing _____ Easting _____ (meters)
State Plane Coordinates: Zone _____ Northing _____ Easting _____ (Feet)
Land surface elevation (ft. above mean sea level) 4953 Datum ☐ NAVD29 ☐ NAVD88
Source ☒ GPS ☐ Map ☐ Survey ☐ Unknown ☐ Other ☐ Altimeter (for elevation only)

5. TYPE OF CONSTRUCTION ☒ Drilled Conventional / water ☐ Dug ☐ Driven ☐ Other
Describe Truck Mounted Mayhew 1000

6. CONSTRUCTION Total depth of well/spring 285 ft.
Depth to static water level 85 ft. (below land surface) Casing height 2 ft. above ground
a. Diameter of borehole (bit size) 8 3/4 inches
b. Casing schedule ☒ New ☐ Used Joint type ☐ Threaded ☒ Glued ☐ Welded
5 diameter from 0 ft. to 285 ft. Material PVC Well casing Gage 50R17
_____ diameter from _____ ft. to _____ ft. Material _____ Gage _____
c. Cemented/grouted interval, from 190 ft. to 225 ft.
Amount of grout used 12 sack type Bentonite pellets
(example: 10 sacks) (example: bentonite pellets)
d. Type of completion ☐ Customized perforations ☐ Open hole ☒ Factory screen
Type of perforator used _____
Size of perforations _____ inches by _____ inches
Number of perforations and depths where perforated
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Open hole from _____ ft. to _____ ft.
Well screen details
Diameter 5 slot size .025 set from 250 ft. to 270 ft.
Diameter _____ slot size _____ set from _____ ft. to _____ ft.
e. Well development method air lift / over pump How long was well developed? 6 hrs
f. Was a filter/gravel pack installed? ☒ Yes ☐ No Size of sand/gravel 3/8 chips
Filter pack/gravel installed from 225 ft. to 285 ft.
g. Was surface casing used? ☐ Yes ☒ No Was it cemented in place? ☐ Yes ☐ No
Surface casing installed from _____ ft. to _____ ft.

7. NAME AND ADDRESS OF DRILLING COMPANY Rock Service Exploration 13 Rose Dr. Buffalo WY

8. DATE OF COMPLETION OF WELL (including pump installation) OR SPRING (first used) 6/21/07 82834

9. PUMP INFORMATION Manufacturer Star Rite Type submersible
Source of power _____ Horsepower 1 Depth of pump setting or intake 255 ft.
Amount of water being pumped 15 gal./min.* (For springs or flowing wells, see item 10)
Total volumetric quantity used per calendar year, * 175,000

10. FLOWING WELL OR SPRING (Owner is responsible for control of flowing well)
If well yields artesian flow or if spring, yield is _____ gal./min.* Surface pressure is _____ lb./sq.inch, or _____ feet of water
The flow is controlled by ☐ Valve ☐ Cap ☐ Plug
Does well leak around casing? ☐ Yes ☐ No
*If these amounts exceed permitted amount an enlargement is required.

Permit No. U.W. 181468 Book No. 1315 Page No. 68

SEE REVERSE SIDE

11. IF SPRING, HOW WAS IT CONSTRUCTED? (Some method of artificial diversion, i.e., springbox, cribbing, etc., is necessary to qualify for a water right) _____

12. PUMP TEST Was a pump test conducted? ☐ Yes ☒ No

If so, by whom _____

Yield _____ gal./min. with _____ ft. drawdown after _____ hours

Yield _____ gal./min. with _____ ft. drawdown after _____ hours

13. LOG OF WELL Total depth drilled 285 ft.
Depth of completed well 285 ft. Diameter of well 5 inches.
Depth to first water bearing formation 19 ft.
Depth to principal water bearing formation Top 251 ft. to bottom 265 ft.

DRILL CUTTINGS DESCRIPTION:

From Feet	To Feet	Rock Type Or Description	Formation	Water Bearing? (Yes or no)
Surface	1	Top soil		
1	19	gray clay		
19	22	coal		yes
22	85	gray clay		
85	88	Ledge rock		
88	180	Gray shale		
180	190	sand		yes
190	223	Gray shale		
223	226	Ledge rock		
226	232	sand		
232	248	Blue shale		
248	251	Ledge		
251	265	sand		yes
265	285	gray shale		

14. DOES A GEOPHYSICAL LOG ACCOMPANY THIS FORM? ☐ Yes ☒ No

15. QUALITY OF WATER INFORMATION

Does a chemical and/or bacteriological water quality analysis accompany this form? ☐ Yes ☒ No

It is recommended that chemical and bacteriologic water quality analyses be performed and that the report(s) be filed with the records of this well. (Contact Department of Agriculture, Analytical Lab Services, Laramie, 742-2984.)

If not, do you consider the quality of water as ☒ Good ☐ Acceptable ☐ Poor ☐ Unusable

REMARKS _____

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct, and complete.

Signature of Owner or Authorized Agent

Date

8/7/07, 2007

FOR STATE ENGINEER'S USE ONLY

Permit No. U.W. 181468

Date of Receipt AUG 16 2007

Date of Priority 5/25/2007

Date of Approval January 30, 20 12

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for State Engineer

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E CHEYENNE, WYOMING 82002
(307) 777-6163

503 4913
25.00
5/25/07

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

APPLICATION FOR WELLS AND SPRINGS

Note: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic and/or stock watering, will be considered as ground water appropriations.

FOR OFFICE USE ONLY

Temporary Filing No. U.W. 40-3-177

PERMIT NO. U.W. 181468
WATER DIVISION NO. 2 DISTRICT 2
U.W. DISTRICT Johnson County

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.
ALL ITEMS MUST BE COMPLETED BEFORE APPLICATION IS ACCEPTABLE

NAME AND NUMBER OF WELL or SPRING J.G. Thompson #1

1. Name of applicant(s) Jason G. Thompson Phone: 307-684-8141
2. Address of applicant(s) 299 Trabing Road Buffalo WY 82834
(MAILING ADDRESS) (CITY) (STATE) (ZIP)
3. Name & address of agent to receive correspondence and notices Jason G. Thompson
299 Trabing Road Buffalo WY 82834 Phone: 307-684-8141
(MAILING ADDRESS) (CITY) (STATE) (ZIP)

4. Use to which the water will be applied:

- ☒ Domestic: Use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totaling one acre or less. Number of houses served? 1.
- ☐ Stock Watering: Normal livestock use at four tanks or less within one mile of well or spring. Stockwatering pipelines and commercial feedlots are a miscellaneous use. Number of stock tanks? .
- ☐ Irrigation: Watering of commercially grown crops (large-scale lawn watering of golf courses, cemeteries, recreation areas, etc., is miscellaneous use).
- ☐ Municipal: Use of water in incorporated Towns and Cities. Note 1: use of water in unincorporated towns, subdivisions, improvement districts, mobile home parks, etc. is classified as miscellaneous use. Note 2: a permit may be required by the Wyoming Department of Environmental Quality (WDEQ) if the well will be classified as a public water supply under the WDEQ's rules and regulations.
- ☐ Industrial: Long term use of water for the manufacture of a product or production of oil/gas or other minerals (oil field water flood operations, power plant water supply, etc.). (Describe in REMARKS)
- ☐ Miscellaneous: Any use of water not defined under previous definitions such as stock water pipelines, subdivisions, mine dewatering, mineral/oil exploration drilling, potable supplies in office, etc. Describe in Remarks. Note: a permit may be required by the WDEQ if the well will be classified as a public water supply under the WDEQ's rules and regulations.
- ☐ Coalbed Methane: Water produced in the production of coal bed methane gas. Note: wells used in the production of coal bed methane will require a permit from the Wyoming Oil and Gas Conservation Commission.
- ☐ Monitor, Observation: Note: a WDEQ permit may be required ☐ Test Well: (Describe in REMARKS)

5. Location of the well or spring: (NOTE: Quarter-quarter (40 acre subdivision) MUST be shown. EXAMPLE: SE 1/4 NW 1/4 of Sec. 12, Township 14 North, Range 68 West.)
Johnson County, SW 1/4 NW 1/4 of Sec. 18, T. 49 N., R. 01 W. of the 6th P.M. (W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot/Tract Block of the Subdivision (or Add'n) of . Resurvey Location: Tract . (or Lot) .

6. Estimated depth of the well or spring is 250 feet. Estimated production interval is 60 ft. to 250 ft.

7. (a) MAXIMUM instantaneous flow of water to be developed and beneficially used: 20 gallons per minute.
NOTE: if for domestic and/or stock use, this application will be processed for a maximum of 25 gallons per minute. For a spring, after approval of this application, some type of artificial diversion or improvement must be constructed to qualify for a water right.

(b) MAXIMUM volumetric quantity of water to be developed and beneficially used per calendar year: 175,000
Circle appropriate units: (Gallons) (Acre Feet) A four person family utilizes approximately one (1) acre-foot of water per year or 325,000 gallons.

8. Mark the point(s) or area(s) of use in the tabulation box below. Note: Upper row refers to the quarter of the section. Next row refers to quarter of the quarter section.

TABULATION BOX

Re correspondence rec'd 05/25/07 JR

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTAL
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
49	61	18							LX2				Xout						House

9. If for irrigation use:
- Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation box above.
 - ☐ Land will be irrigated from this well only.
 - ☐ Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.

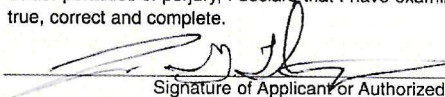
10. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.: _____

11. The well or spring is to be constructed on lands owned by Jason G. Thompson
(The granting of a permit does not constitute the granting of right-of-way. If any easement or right-of-way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not the co-applicant.)

12. The water is to be used on lands owned by Jason G. Thompson
(If the landowner is not the applicant, a copy of the agreement relating to the usage of appropriated water on the land should be submitted to this office. If the landowner is included as co-applicant on the application, this procedure need not be followed.) NOTE: Water rights attach to the area(s) and/or point(s) of use.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.


Signature of Applicant or Authorized Agent

May 14th, 20 07
Date

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES (Domestic use is defined as use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totalling one acre or less.)	\$25.00
IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS, COAL BED METHANE	\$50.00
MONITOR (For water level measurements or chemical quality sampling) or TEST WELL	No Fee

IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.

STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 25th day of May, A.D. 20 07, at 9:31 o'clock A. M.

Permit No. U.W. 181468


for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use without loss of water into sub-surface formations or at the land surface.

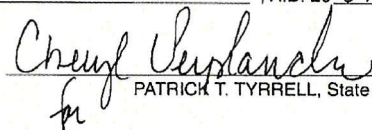
Coal Bed Methane wells have Additional Conditions and Limitations on attachment sheet.

Approval of this application may be considered as authorization to proceed with construction of the proposed well or spring. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 20 08.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 22nd day of June, A.D. 20 07.


PATRICK T. TYRRELL, State Engineer