

WELL DRILLER: PLEASE COMPLETE FOR VERBAL
IDWR Employee Issuing Verbal: _____
Verbal Issued Date: _____ Time: _____

RECEIVED

JUN 15 1999

WATER RESOURCES
WESTERN REGION

State of Idaho
Department of Water Resources

APPLICATION FOR DRILLING PERMIT
(FOR THE CONSTRUCTION OF A WELL)

1. Applicant (please print): JANICE CARR
2. Mailing Address: 1190 N LOCUST GROVE
City & State Meridian ID Zip Code 83642 Telephone 208-888-9760
[] Well Owner [] Well Operator [] Contractor or Other, specify _____
3. Proposed Well Location: Twp. 10N, Rge. R 1E, Sec. 25, _____ 1/4 _____ 1/4 _____ 1/4;
Gov't Lot No. _____ County GEM Lat. _____:_____:_____ Long. _____:_____:_____
Street Address of Well Site OLA GENERAL STORE City OLA
Give at least name of road + Distance to Road or Landmark
Lot, block and subdivision _____

4. Proposed Use of Well:

- ☒ DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock (1,000 head or less) 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
[] Stock [] Test [X] Other Public Water Supply
(Over 1,000 Head) (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 200'
- C. Anticipated bottom hole temperature:
☒ 85°F or less [] 85°F to 212°F [] 212°F or more
(Cold Water Well) (Low Temp. Geo. Well) (Geothermal Well)

6. Construction Start Date: 6/14/99
7. Anticipated Well Driller: SOS Well Drilling + Pump Co Inc Driller's Lic. No. 212
NOTE: The actual well driller must be identified prior to drilling.

8. Applicant's Signature Janice Carr Date 6/14/99
Title Owner
(Owner, Firm Representative, Other)

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This Permit is APPROVED

Date 6-14-97

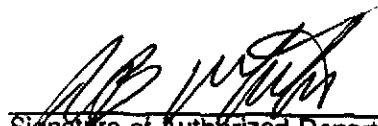
If approved, this permit authorizes the construction or modification of a well subject to the following conditions. READ CAREFULLY!

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 this 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.
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.

SPECIFIC CONDITIONS:

*Drilling spec's in accordance with
Rob Whitney's requirements*


Signature of Authorized Department Representative

for:

MANAGER
WESTERN REGIONAL OFFICE

Receipt No. W025258 Received by LD Fee \$75 Date 6-1-99

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension expires: _____



STATE OF IDAHO
DIVISION OF
ENVIRONMENTAL QUALITY

1445 North Orchard • Boise, Idaho 83706-2239 • (208) 373-0550

Dirk Kempthorne, Governor
C. Stephen Allred, Administrator

June 21, 1999

Linden and/or Janice Carr
Ola General Store PWS#3230056
21850 West Main
Ola, Idaho 83657

RECEIVED

JUN 25 1999

WATER RESOURCES
WESTERN REGION

RE: New Well at Ola General Store, Ola, Idaho

Dear Mr. and Ms. Carr:

Idaho Code 39-118 and related sections from the *Idaho Rules for Public Drinking Water Systems* require that all modifications to public water systems be designed by a professional engineer and reviewed by the Idaho Division of Environmental Quality (DEQ). You were advised of this requirement by letter from Sandy Hemenway of the Southwest District Health Department (SWDHD) on January 8, 1999. You also had a meeting shortly thereafter with Bill Freeman of this office. Both gave to you the required checklists and described the design, review, and approval process. However, there appear to be mitigating circumstances in this case. First, it appears you gave the checklists to SOS Well Drilling and Pump Company, rather than to a professional engineer, and SOS apparently did not forward that information to a professional engineer on your behalf. This in itself would not preclude enforcement action. However, the second factor concerns how rapidly you were cut off from the existing source, a well owned by someone else.

Considering both factors, professional engineering duties were provided by state and local agencies on an emergency basis. These agencies do not have the staff to routinely replace private engineering and DEQ is so advising all parties. Future public water system modifications must follow standard procedures or face potential enforcement action and/or approval delays.

A. We want to thank Cal Gillis, SWDHD, and Rob Whitney, Idaho Department of Water Resources, for the following special assistance during this busy season.

1. Mr. Gillis conducted the well site evaluation and has offered to conduct a final inspection in lieu of a professional engineer. We think that is reasonable in this case.

Mr. and Ms. Carr - letter
June 21, 1999
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2. Mr. Whitney replaced professional engineering services by writing special permit conditions and providing on-site inspection. He also supervised the final location of the well to maximize distances to potential sources of contamination.
- B. The sewer service line must be located, even if part of it must be dug up and exposed. The pipe must then be evaluated by the Idaho Division of Building Safety, Plumbing Bureau. It must be either located more than 50 feet from the well or between 25 and 50 from the well and constructed per the Uniform Plumbing Code (pressure rated pipe or sleeved in a solid wall pipe). Please contact Bob Rawlings at 208-334-3442 (ext.333). This shall be completed within one month of the date of this letter, unless the Plumbing Bureau needs more time to schedule the inspection. We request the Plumbing Bureau call us when they are satisfied with the work.
- C. Mr. Gillis told me this is not a high ground water area so we will not require a professional engineer to supervise the pressure and vacuum testing of the pitless adapter or the replacement of the annular seal around the well casing after the pitless adapter is installed. Both of those may be handled by the pump installer if they agree to certify to DEQ that both have been completed per DEQ and IDWR standards. If they will not provide this written certification, the process must be repeated under the supervision of a professional engineer.
- D. At your risk and unless a new well house will be built, we will not require the services of a professional engineer to specify and supervise the selection and placement of equipment to complete the connection to the water system. The equipment may be selected by the pump company but final approval will be granted only after final inspections. The Plumbing Bureau may want to inspect these facilities as well.
1. All equipment, especially the pressure tank, must be NSF approved or equivalent. The following equipment is required and may be located inside the existing building:
 - check valve
 - gate valve
 - pressure tank
 - pressure gauge
 - sample tap equipped with an atmospheric vacuum breaker
 - pump adequate to maintain 20 psi at all times (i.e., the pressure controls must be set to at least 30/50 psi or higher)
 - well casing vent
 - approved well casing seal

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2. The following equipment is recommended:
 - device to automatically cutoff the pump if water falls below the level of the pump
 - an installed system, generally a bubbler tube, for you to measure the aquifer level so you can curtail use if water levels are dropping
 - flow meter
 - to protect the pump we recommend the effective capacity of the pressure tank in gallons be 2.5 times the pump capacity in gallons per minute.
- E. Mr. Gillis offered to provide the final sanitary survey for this project, which will substitute for the certification from a professional engineer, to verify that the project was constructed according to state standards. Mr. Gillis is experienced in this procedure, but we note the following items:
 1. The equipment list from Item D
 2. The well head must not be subject to flooding or ponding.
 3. The well must be disinfected and flushed per standard procedures. A bacteria test must be taken and an "absent" result from a state certified lab must be submitted to Mr. Gillis before the well can be used by the public. We recommend monthly bacteria samples until Mr. Gillis is satisfied that the well is safe from bacteria.

Please call me with any questions at 373-0560 or via e-mail at mmarchus@deq.state.id.us.

Sincerely,



Monty G. Marchus, P.E.
Staff Engineer

MGM:cm: G:\MGM\OLA-GS.JC1

cc: Larry S. Peterson, Regional Manager-Engineering
SOS Well Drilling and Pump Company
Cal Gillis, Southwest District Health Department - Emmett, Idaho
Sandy Hemenway, Southwest District Health Department - Caldwell, Idaho
✓ Rob Whitney, Idaho Department of Water Resources
Idaho Division of Building Safety, Plumbing Bureau
Source File #1-SWDHD general file, reading file