

Memorandum

To: Well Construction, Southern Region

From: Deborah Gibson, Administrative Assistant I

Date: May 8, 2007

Re: Drilling permit no. 818033, in the name of Carey Water & Sewer Dist.

Attached is a copy of an Application for Drilling Permit for the Carey Water & Sewer District. According to this application the proposed use of the well is for a test well. However, the Carey Water & Sewer District has developed this well for municipal use as permitted by water right no. 37-21355.

Recently the Carey Water & Sewer District assigned this permit to the City of Carey and proof of the beneficial use has been accepted. The next stage in the processing of this water right is for a field examination to be conducted by the region, prior to issuance of a license.

I am bringing this to your attention to determine if the drilling permit fee has been upgraded to the \$200.00 fee for this type of well. I have researched the database for a receipt to reflect that this drilling permit was upgraded, and have been unsuccessful. I will leave this matter to you for research and collection of the upgrade fee if necessary.

SCANNED
MAY 25 2007

1/31/03

App 88. 132

Drilling Permit No.

818033

Drilling Permit I.D. Tag No.

D0034183

Water Right Permit No.

37-20384

Injection Permit No.

(Municipal)
W.R. Permits: 37-21355

& 37-20384

State of Idaho
Department of Water Resources

RECEIVED

Assigned to the

City of Carey 7/20/07

APPLICATION FOR DRILLING PERMIT

JUN 23 2004

(FOR THE CONSTRUCTION OF A WELL)

Department of Water Resources
Southern Region

1. Owner (please print): Carey Water & Sewer District

2. Mailing Address: Box 187

City: Carey State: ID Zip Code: 83320 Telephone (208) 823-4047

3. Proposed Well Location: Twp. 1S Rge. 21E Sec. 34 NW 1/4 NW 1/4 NE 1/4

Gov't Lot No. County Blaine Lat. Long.

Street Address of Well Site 500' East of Intersection of Hwy 93 & Hwy 20 City Carey

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 and for any other purposes 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 10 Proposed Maximum Depth 200

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: June 18, 2004

7. Anticipated Well Driller: Hiddleston Drilling & Pump Co.

Driller's Lic. No. 35

NOTE: The actual well driller must be identified prior to drilling.

8. Applicant's Signature:

Date

6/23/04

Address (if different than owner): J-U-B ENGINEERS, Inc., 115 Northstar Avenue

City: Twin Falls State: ID Zip Code: 83301 Telephone 208-733-2414

Title: Project Manager for J-U-B ENGINEERS, Inc., for Carey Water & Sewer District

(Owner, Firm Representative, Other)

5026863

Well App 88 34 82

2004 JUN 23

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MAY 25 2007

Printed 06/25/2004
Drilling Permit No. 818033
Well Tag No. D0034183
Well ID # 388701
Water Right No. 37-20384
Receipt #
Approved Date 06/25/2004

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
DRILLING PERMIT**

Relationship: Owner/Operator
Name: CAREY WATER & SEWER DIST
Address: PO BOX 187
CAREY ID 83320

Phone: (208)823-4047

Proposed Well Location: Township 01S, Range 21E, Section 34, NW, NW, NE
COUNTY BLAINE

Street Address of Well Site: 500 feet east of intersection of hwy 93 and hwy 20
CAREY ID

Proposed Use of Well: Test

Well Construction Information:

- A. New Well
- B. Proposed Surface Diameter: 10 Inches. Proposed Depth 200 Feet.
- C. Anticipated Bottom Hole Temperature: 85F and less

Construction Start Date: Jun 23 2004

Anticipated Well Drilling Company: HIDDLESTON & SON INC (No. 35)

Applicant's Signature: _____ Date _____

Title: _____

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MAY 25 2007

Well ID # 388701

Well Tag No. D0034183

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This permit is Approved on Friday, June 25, 2004.

1. This drilling permit is valid for two (2) months from the 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 local Health District or the Idaho Department of Environmental Quality which may be required prior to construction of this well. The local Health District should be contacted for septic tank/drainfield locations. Domestic wells must not be drilled closer than 100 ft. from any drainfield and 50 ft. from any septic tank. Public Water Supply wells must not be drilled closer than 100 ft. from any drainfield or 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 that 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 rights(s) use of the well must comply with conditions of said water right(s).
7. If a bottom hole temperature of 85 Degrees F (29.44 oC) or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department of Water Resources immediately.
8. Idaho Code, S 55-2201 - 55-2210 requires the applicant and/or its contractors to contact "Dig-line" (Dig-Line 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 "Dig-Line" Number for this location is 1-800-342-1585
9. 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.
10. The uppermost unconfined aquifer shall be cased and sealed to exclude water from this zone from entering the well. All seals will be placed from the bottom up. Placement of any seal should be based upon actual geologic conditions encountered during drilling.
11. The screened, perforated, filterpacked or otherwise open and commingled strata shall not exceed 25% of the total well depth as measured from the bottom of the open interval to the top of the open interval(s). If, however, through geophysical logging of the well (or other means), it can be demonstrated the aquifers to be produced from are under similar hydraulic head, temperature and quality and are not subject to waste or contamination this may be waived and a greater open (screened or filterpacked section) may be approved.
12. If an annular slurry seal of bentonite is to be utilized, a high (>30%) solids bentonite shall be pumped from the bottom up to land surface. The bentonite shall not contain chemical polymers which effect long term stability of the seal (and are often found in drilling fluid grade bentonites) but shall be a bentonite which has been specifically recommended by the manufacturer for use as a seal material in water wells.
13. If an annular space of at least 4 inches greater than the outside diameter of the casing is provided a granular bentonite or bentonite chips may be poured at the manufacturer recommended rate or no greater than 50 pounds in five minutes. The pour shall also be presifted through 1/4 inch mesh screen to reduce the introduction of fines

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MAY 15 2007

unless the annular space is free of water, ie.(above the water table and there is no cascading water). The top of the seal shall be tagged at regular intervals, ie. (30 ft. intervals) during placement with a sinker bar or other appropriate device to ensure the seal is reaching the intended depth. If bridging occurs, the seal shall be tamped to its intended position or the Department will be contacted for evaluation.

14. The project engineer or geologist will be on site during seal placement should any peculiarities arise which require further evaluation. Any alteration of the proposed or herein modified well construction procedure shall be approved by the Department before it is undertaken.

15. The use of bentonite added to cement grout to reduce hydraulic conductivity shall not exceed 4% and shall be prehydrated prior to mixing with the neat cement. The bentonite shall not contain chemical polymers which effect long term stability, and are often found in drilling fluid grade bentonites, but will be specifically recommended by the manufacturer for use as a seal material.

16. Drilling fluids shall be mixed with water that meets or exceeds drinking water standards.

17. Different aquifers with significantly head, temperature or quality shall not be commingled. Drilling of the well shall proceed in a manner that allows for determination of the static head, temperature and quality of each aquifer encountered.

18. Proper casing and sealing procedures of this well may require pressure grouting and/or multiple casing strings to protect the resource. Casing shoe seals made by installing multiple casing strings shall be tested by bailing or pumping the hydrostatic head and observing any water level changes over a predetermined time interval. A maximum leakage rate may be considered.

19. If the supply line is connected to the pump column below ground level, a pitless device shall be utilized which provides a water tight seal through the casing. The pitless shall be tested according to the means described by the U.S.EPA manual EPA-430/9-74-007. The test will be run in the presence of the engineer designing the surface distribution system.

20. Drilling specifications of the American Water Works Association Standard for Water Wells (ANSI/AWWA A100-90) and the Recommended Standards For Water Works (Greater Lakes Upper Mississippi River Board of States Public Health & Environmental Manager 1992) shall be referenced and adopted as applicable.

21. The location at which this well is to be constructed must be at a site approved by the Idaho Department of Environmental Quality. The local Health District should also be contacted for septic tank/drain field locations. This well must not be drilled closer than 100 feet from any drain field or 100 feet from any septic tank.

22. Sand production from this well shall not be more than five (5) parts per million (ppm) of sand 15 minutes into a performance testing cycle occurring at the maximum rate of intended discharge. If sand production exceeds this amount, the following will occur The department will be contacted with information pertaining to formation aquifer sieve analysis and/or filter pack, screen slot size, development rates and durations. If no screen was installed a telescopic screen with filter pack if appropriate will be placed without pulling back casing. Well development may again proceed until this standard can be met or the well will be abandoned per an approved procedure.

23. American Water Works Association standards (ANSI/AWWA A100-90) assume that a properly constructed well will not produce sand after development. After development, this well shall not exceed sand production of five (5) parts per million (ppm) as sampled at 15 minutes of test pumping as specified in Department of Environmental Quality standards for public water supply wells.

24. All drilling fluids must be AWWA or NFS approved, as required by IDAPA Section 58.01.08.550.02.

25. Project Engineer and Idaho Department of Water Resources be notified 24 hours prior to surface seal placement. Project Engineer and Idaho Department of Water Resources inspector must be present during surface seal placement.

26. Each casing string shall be sealed into an aquitard (confining layer) prior to the commencement of drilling through the aquitard in which the casing string was set.
27. Measuring Device shall be installed prior to the use of the water.
28. This well shall be sealed minimum of 60 feet.
29. 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 Idaho Department of Water Resources for reconsideration, pursuant to Section 67-5243, Idaho Code.
30. All tools, equipment, and materials shall be steam cleaned and swabbed with 500 ppm chlorine solution prior to entering the well, both before and during drilling, and before and during pump testing.
31. A well drilled pursuant to this permit must be located at least 500 ft. from any existing well. Well spacing closer than 500 ft. must be approved by the Department of Water Resources prior to the commencement of drilling.
32. This Drilling Permit is issued for a test well only. Diversion of water from this well is not authorized except for a well test not to exceed 24 hrs. No permanent casing shall be installed. Upon acquisition of necessary data, all casing shall be removed and the hole abandoned by an approved method and seal material. This approval shall be done through the use of an application for abandonment. Water obtained from the test shall be disposed of in a manner which does not adversely effect other individuals, this or another resource.



Signature of Authorized Dept Representative

SR. WATER RESOURCE AGENT

Title

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MAY 25 2007

Receipt Details for ID S026863

Status	Adjustment Type	Version
		1

General Information:

Date Received	Date Deposited	Region	Total Amount	Payment Type
6/25/2004 10:45:28 AM	6/25/2004 3:54:21 PM	SOUTHERN	\$75.00	Check
Payer		CAREY WATER & SEWER DISTRICT		

Account Information:

Check #	Account #	Credit Card Name	Authorization #
3041			
Card Expiration Date	Credit Card Transaction #		

Comment Tags: D0034183 Municipal well Hwy 93 & Hwy 20 Carey, Idaho

Fee Detail:

Amount	Description	PCA	Fund	Fund Detail	Subsidiary	Object
\$75.00	DRILLING TAGS	64134	0229	21		1205

Refund(s):

Amount	Payee	Date	Document Number
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Water Right Information:

Basin Number	Sequence Number	Split Suffix	Amount	Type
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Print Report

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MAY 25 2007
5/8/2007