

**Worksheet for an Amendment to an Operating Permit**

**Major Oak Power, LLC – BVHU-0044**

**The General Manager seeks an amendment to one Operating Permit (BVHU-0044) for the purpose of:**

- **Public Supply Use**

Existing Well:-

- **TOP PWW #1 (BVHU-0044)** - Located at: N 31.09186823° W 96.696433° 1.05 miles E of the intersection of SH-6 and Plant Road in Robertson County

Beneficial Use: **Public Supply Use**

Aquifer of Origin: **Hooper**

Well Column: **6”**

Date Drilled: **April 23, 2009 (Replacement well)**

Depth: **460’**

Rate of Production: **50 gpm**

Max. Annual Production: **8.1 acre-feet/year**

**The General Manager is requesting an amendment to the existing Historic Use permit to properly identify the aquifer of origin. When originally permitted, it was presented as a Simsboro well. Recent geological review reveals the screened interval is the Hooper Aquifer.**

**It is the recommendation by the General Manager to approve amending the permit to reflect the proper aquifer of origin as the Hooper Aquifer.**

# Historic Use Application Summary

Applicant: Twin Oaks Power Plant

County: Robertson

Aquifer: Simsboro

Well 1 2,887 Acre Feet (TOP WW1)

Well 2 2,508 Acre Feet (TOP WW2)

Well 3 2,116 Acre Feet (TOP WW 3)

Well 4 8.1 Acre Feet (TOP PWW1)

Use and Location: Well numbers 1, 2 and 3 are used for Generation of Electricity in Robertson County, well number four is used as potable water.

Max Pumping Rate:

Well 1 2,500GPM

Well 2 2,500GPM

Well 3 2,500GPM

Well 4 50GPM

Twin Oaks Power has declared that they will comply with the Districts Management plan and well plugging guidelines.

Please use black ink.  
Send original copy by  
certified mail to the  
Texas Water Commission  
P.O. Box 13087  
Austin, Texas 78711

State of Texas  
**WATER WELL REPORT**

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER WCZ Consortium Address P.O. Box 21130 San Antonio, Tx. 77825  
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:  
County Robertson 9 miles in N direction from Calvert  
Well Number Two  
(N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

Legal description:  
Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

**Original Well  
(Plugged)**

#2.  See attached map. ON 39-59-2

3) TYPE OF WORK (Check):  
 New Well  Deepening  
 Reconditioning  Plugging

4) PROPOSED USE (Check):  
 Domestic  Industrial  Monitor  Public Supply  
 Irrigation  Test Well  Injection  Other \_\_\_\_\_

5) DRILLING METHOD (Check):  Driven  
 Mud Rotary  Air Hammer  Jetted  Bored  
 Air Rotary  Cable Tool  Other \_\_\_\_\_

6) WELL LOG:  
Date Drilling: Started 3-14 19 88  
Completed 4-21 19 88

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
<u>1 1/2</u>	Surface	<u>401</u>
<u>9 7/8</u>	<u>401</u>	<u>443</u>
<u>15</u>	<u>411</u>	<u>440</u>

7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval . . . from 367 ft. to 443 ft.

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)	Gage Casing Screen
						From	To
0	35	Clay					
35	45	Sand					
45	60	Clay	8	N	Steel	0	401
60	130	Sand	4	N	Steel	360	407
130	165	Clay	4	N	Stainless Steel Screen	407	437
165	195	Clay & Sand	4	N	Steel	437	443
195	231	Sand					
231	307	Shale					
307	308	Rock					
308	312	Shale					
312	332	Sandy Shale					
332	333	Rock					
333	355	Sandy Shale					
355	375	Sand					
375	388	Shale					
388	389	Rock					
389	405	Shale					
405	410	Sand					
410	411	Rock					
411	440	Sand					
440	467	Shale					

9) CEMENTING DATA [Rule 319.44(b)]  
Cemented from 0 ft. to 401 ft. No. of Sacks Used 165  
\_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_  
Method used Pressure  
Cemented by Western Company

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(c)]  
 Pitless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level 82 ft. below land surface Date 4/4/88  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

**RECEIVED**  
MAY 27 1988  
TEXAS WATER COMMISSION

REMARKS: Well chlorinated during graveling, at completion, and after installing the pump.

(Use reverse side if necessary)

15) WATER QUALITY:  
Did you knowingly penetrate any strata which contained undesirable water?  Yes  No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Was a chemical analysis made?  Yes  No

14) WELL TESTS:  
Type Test:  Pump  Bailer  Jetted  Estimated  
Yield: 110 gpm with \_\_\_\_\_ ft. drawdown after 12 hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME BRIEN WATER WELLS Water Well Driller's License No. 1750  
(Type or Print)  
ADDRESS Rt. 1 Box 702 Hearne Tx. 77859  
(Street or RFD) (City) (State) (Zip)  
(Signed) [Signature] (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.  
For TWC use only  
Well No. 39-59-2  
Located on map \_\_\_\_\_

**Y**

## STATE OF TEXAS WELL REPORT for Tracking #209946

Owner: <b>Twin Oaks Power</b>	Owner Well #: <b>No Data</b>
Address: <b>PO Box 37 Bremond, TX 76629</b>	Grid #: <b>39-59-2</b>
Well Location: <b>Plant Road Calvert, TX 77837</b>	Latitude: <b>31° 05' 31" N</b>
Well County: <b>Robertson</b>	Longitude: <b>096° 41' 47" W</b>
	Elevation: <b>No Data</b>

Type of Work: <b>Replacement</b>	Proposed Use: <b>Public Supply</b>
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Drilling Start Date: **3/4/2009**      Drilling End Date: **4/23/2009**      Plans Approved by TCEQ - **YES**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>12.25</b>	<b>0</b>	<b>450</b>
	<b>6.75</b>	<b>0</b>	<b>460</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>360</b>	<b>460</b>	<b>Gravel</b>	<b>12-20</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>360</b>	<b>249 Portland</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **100+**

Distance to Septic Field or other concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Slab Installed**

Water Level: **132 ft. below land surface on 2009-03-23**      Measurement Method: **Unknown**

Packers: **4 x 2.5 RL K-Packer 401'**

Type of Pump: **Submersible**      Pump Depth (ft.): **347**

Well Tests: **Pump**      Yield: **85 GPM with 100 ft. drawdown after 24 hours**







**Issued By Direction of the Board of Directors of the  
Brazos Valley Groundwater Conservation District**

This **Historic Use Permit** is granted to **Major Oak Power, LLC (Twin Oaks)** (Permittee) authorizing the Permittee to operate a water well known as **TOP PWW #1** ("Well") at the location specified below within the Brazos Valley Groundwater Conservation District (District) for the beneficial purpose of producing water for **Public Supply** use. This permit is conditioned upon and subject to the Permittee complying with the Rules of the District ("Rules"), orders of the Board and the Management Plan of the District, as amended, and the laws, rules and regulations of the State of Texas, as amended, applicable to drilling, operating and maintaining water wells within the District. This permit confers only the right to use the permit under the provisions of the Rules and according to the terms of this permit. The permit terms may be modified or amended pursuant to the Rules.

The Permittee is authorized to operate the Well located at **N 31.09186823° and W 96.696433°** to produce water from the **Hooper Aquifer** at a maximum capacity not to exceed **50 GPM** and a maximum annual production of **8.1 acre feet**.

The Rules are incorporated herein in their entirety by reference, as if set forth herein verbatim. The Permittee shall comply with the Rules and each requirement thereof in operating, maintaining, repairing and altering the Well. The application pursuant to which this permit has been issued is incorporated into this permit, and this permit is granted on the basis of, and contingent upon, the accuracy of the information supplied in that application. A finding that false information has been supplied to the District in the permitting process for the Well is grounds for revocation of this permit.

The issuance of this permit does not grant to the Permittee the right to use any private property, or any public property, for the production or conveyance of water. Neither does this permit authorize the invasion of any personal rights nor the violation of any federal, state, or local laws, rules or regulations. Further, the District makes no representations and shall have no responsibility with respect to the availability or quality of water authorized to be produced under this permit.

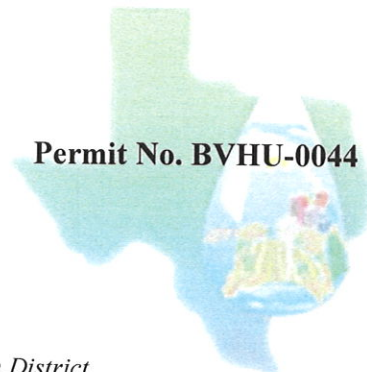
This Historic Use Permit will remain in effect for the life of the well as long as water is being produced for the herein specified beneficial use, subject to the District's Rules, Management Plan, and State laws.

**This permit was originally issued and effective on December 1, 2005. This permit was corrected to properly reflect the aquifer of origin on June 11, 2020.**

**Brazos Valley  
Groundwater Conservation District**

By: \_\_\_\_\_  
Name: Alan M. Day  
Title: General Manager  
Date: \_\_\_\_\_

**Permit No. BVHU-0044**



*Brazos Valley Groundwater Conservation District*

*\*This historic permit was corrected on June 11, 2020 to properly identify the aquifer of origin. The permit correction does not affect the historic integrity of the originally issued historic permit.*