

Worksheet for an Amendment to an Operating Permit

Bart Lockhart – BVHU-0142

The General Manager seeks an amendment to one Operating Permit (BVHU-0142) for the purpose of:

- **Agricultural Use**

Existing Well:-

- Well #1 (**BVHU-0142**) - Located at: N 30.92820429° W 96.59607214° 0.81 miles N of the intersection of SH-79 and Old Franklin Hwy in Robertson County

Beneficial Use: **Agricultural Use**

Aquifer of Origin: **Calvert Bluff**

Well Column: **4"**

Date Drilled: **September 18, 2000**

Depth: **474'**

Rate of Production: **100 gpm**

Max. Annual Production: **160 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 Carrizo well. Recent geological review reveals the screened interval is the Calvert Bluff Aquifer.

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

Historic Use Permit Application Summary

Applicant: Bart Lockhart

County: Robertson County

Aquifer: Carrizo Aquifer

Well #1 160 acre-feet per year
Maximum pumping rate of 100 gpm
1.95 acre feet per acre

0142

Total 160 Acre feet per year

Use and location:

Water is for Agricultural Irrigation. The well is located at 9384 West US Hwy 79,
Hearne, Texas.

30.9168577/96,5835444

4. Review and Authorization of payments made for services rendered October, 2007. **A motion was made by Wayne Wilson, second by Dale Johnson to accept the payments made in October 2007. The motion carried unanimously.**
5. Discussion and possible action on the following Historic Use Permit Applications:

A. One well for Bart Lockhart located at 9384 West US Hwy 79, Hearne, TX for a total amount of 160 acre/feet of water per year for Agricultural Irrigation. The well is in the Carrizo Aquifer. **Bart Lockhart requested a Historic Use Permit for one (1) well located at 9384 West US Hwy 79, Hearne, TX for a total amount of 160 acre feet per year for Agricultural Irrigation. The well is in the Carrizo Aquifer.**

B. One well for LMP Holdings Partnership, LTD located on the West side of FM 50 across from Sandy Point Road, Bryan, TX for a total amount of 50 acre/feet of water per year for Agricultural Irrigation. The well is in the Brazos River Alluvium Aquifer. **LMP Holdings Partnership, LTD requested a Historic Use Permit for one (1) well located on the West side of FM 50 across from Sandy Point Road, Bryan, TX for a total amount of 50 acre feet per year for Agricultural Irrigation. The well is in the Brazos River Alluvium Aquifer.**

Kent Watson presented the facts concerning all of the Historic Use Permits. A motion was made by Wayne Wilson, second by Pete Brien to approve all of the Historic Use Permit Applications presented. The motion carried unanimously.

6. Discussion and possible action to approve an Emergency Drilling/Operating Permit for Mr. Thanh Van Dao located at 6136 East FM 979, Franklin, TX for the amount of 2.253 acre/feet per year for Poultry Houses. The proposed well will be located in the Queen City Aquifer. **Mr. Thanh Van Dao requested an Emergency (Replacement) Drilling/Operating Permit for one (1) well to replace an existing well which failed and must be re-drilled. (Failure was a result of down hole pump melting into the PVC casing).** Well located at 6136 East FM 979, Franklin, TX for the amount of 2.253 acre/feet per year for Poultry Houses. The proposed well will be located in the Queen City Aquifer.

Kent Watson presented the facts concerning the Emergency (Replacement) Drilling/Operating Permit Application. A motion was made by Pete Brien, second by Steve Lazarus to approve the Emergency (Replacement) Drilling/Operating Permit as presented. The motion carried unanimously.

ATTENTION OWNER: Confidentiality
Privilege Notice on on reverse side
of Well Owner's copy (pink)

State of Texas WELL REPORT

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER BART LOCKHART (Name) ADDRESS 210 Fourth St. Hearne Tx. 77859 (Street or RFD) (City) (State) (Zip)
2) ADDRESS OF WELL: County Robertson 3 miles No. of Hearne on Hwy 79 (Street, RFD or other) (City) (State) (Zip) GRID # 59-04-4

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

4) PROPOSED USE (Check): Monitor Environmental Soil Boring Domestic
 Industrial Irrigation Injection Public Supply De-watering Testwell
If Public Supply well, were plans submitted to the TNRCC? Yes No

6) WELL LOG:
Date Drilling:
Started 9-17 @ 2000
Completed 9-18 @ 2000

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
<u>8 3/4</u>	Surface	<u>474</u>

7) DRILLING METHOD (Check): Driven
 Air Rotary Mud Rotary Bored
 Air Hammer Cable Tool Jetted
 Other _____

From (ft.)	To (ft.)	Description and color of formation material
<u>0-15</u>		<u>CLAY & Gravel</u>
<u>42-66</u>		<u>S-SHALE</u>
<u>66-67</u>		<u>Rock</u>
<u>67-87</u>		<u>S-SHALE w/ SAND</u>
<u>87-88</u>		<u>ROCK</u>
<u>88-100</u>		<u>S-SHALE & SAND</u>
<u>100-125</u>		<u>TIGHT SHALE</u>
<u>125-322</u>		<u>SHALE w/ S-SHALE</u>
<u>322-367</u>		<u>S-SHALE w/ SAND</u>
<u>367-371</u>		<u>COAL</u>
<u>371-385</u>		<u>SAND w/ S-SHALE</u>
<u>385-387</u>		<u>ROCK</u>
<u>387-410</u>		<u>SHALE</u>
<u>410-412</u>		<u>COAL</u>
<u>412-474</u>		<u>SAND (B)</u>

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion (Check): Open Hole Straight Wall
 Underreamed Gravel Packed Other _____
If Gravel Packed give Interval ... from 390 ft. to 474 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen
			From	To	
<u>4</u>	<u>N</u>	<u>PVC</u>	<u>12</u>	<u>435</u>	
<u>4</u>	<u>N</u>	<u>PVC SCREEN</u>	<u>435</u>	<u>465</u>	<u>.032</u>

13) TYPE PUMP:
 Turbine Jet Submersible Cylinder
 Other _____
Depth to pump bowls, cylinder, jet, etc., 294 ft.

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 0 ft. to 10 ft. No. of sacks used 3
290 ft. to 390 ft. No. of sacks used 21
Method used GRAV & Pressure
Cemented by BRIEN WATER WELLS
Distance to septic system field lines or other concentrated contamination 120 ft.
Method of verification of above distance Measured

14) WELL TESTS:
Type test: Pump Bailor Jetted Estimated
Yield: 45 gpm with 200 ft. drawdown after 7 hrs.

10) SURFACE COMPLETION
 Specified Surface Slab Installed [Rule 338.44(2)(A)]
 Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
 Pitless Adapter Used [Rule 338.44(3)(b)]
 Approved Alternative Procedure Used [Rule 338.71]

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

11) WATER LEVEL:
Static level 53 ft. below land surface Date 9-18-00
Artesian flow _____ gpm. Date _____

12) PACKERS:

Type	Depth
<u>N/A</u>	

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 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME BRIEN WATER WELLS (Type or print) WELL DRILLER'S LICENSE NO. 52000 WI CB
ADDRESS Rt. 1 Box 702 HEARNE TX. 77859 (Street or RFD) (City) (State) (Zip)
(Signed) Donald Cooper (Licensed Well Driller) (Signed) Michael P. May (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

Alan Day

From: john@wjs-groundwater.cc
Sent: Wednesday, May 20, 2020 9:32 AM
To: Alan Day
Subject: FW: Lockhart Well Log
Attachments: Lockhart Well Log BVHU-0142.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Alan, Agree is screens the Calvert Bluff, I reviewed an electric log for a test hole located about 1.4 miles to the south and the base of the Carrizo was about 340 feet so at this well location the Carrizo would be shallower.

Regards,
John Seifert

W. John Seifert, Jr., P.E.
713-444-7238
john@wjs-groundwater.cc

From: Alan Day <aday@brazosvalleygcd.org>
Sent: Wednesday, May 20, 2020 8:52 AM
To: john@wjs-groundwater.cc
Subject: Lockhart Well Log

John,

Please review the attached well log. The Lockhart well (BVHU-0142) was permitted as a Carrizo well. It appears to actually screen the Calvert Bluff. Please let me know your thoughts.

ad

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

This **Historic Use Permit** is granted to **Bart Lockhart** (Permittee) authorizing the Permittee to operate a water well known as **Well #1** ("Well") at the location specified below within the Brazos Valley Groundwater Conservation District (District) for the beneficial purpose of producing water for **Agricultural 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 30.92820429° and W 96.59607214°** to produce water from the **Calvert Bluff Aquifer** at a maximum capacity not to exceed **100 GPM** and a maximum annual production of **160 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.

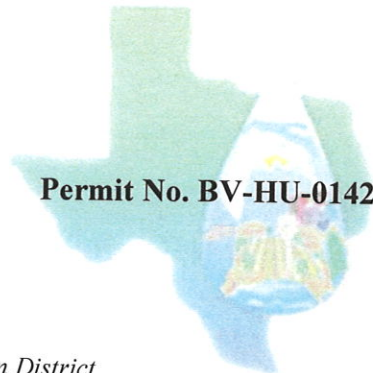
This Historic Use Permit will remain in effect for the life of the well as long as water is being produced for the herein specified beneficial use, subject to the District's Rules, Management Plan, and State laws.

This permit was issued and effective on November 1, 2007. 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. BV-HU-0142



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.*