

TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Aquifer Hensel

Field No. \_\_\_\_\_

State Well No. 41-40-803

Owner's Well No. \_\_\_\_\_

County Coryell

1. Location: 1/4, 1/4 Sec., Block \_\_\_\_\_ Survey \_\_\_\_\_


Beehouse Store P.O.

2. Owner: Mary Caddel Address: Bee House

Tenant: \_\_\_\_\_ Address: \_\_\_\_\_

Driller: Jim Smith Address: Evant, Texas

3. Elevation of 1st is 1170 ft. above msl, determined by Topo

4. Drilled: Aug 1964; Dug, Cable Tool Rotary,

5. Depth: Rept. 372 ft. Meas. \_\_\_\_\_ ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. \_\_\_\_\_ Type Sub.

No. Stages \_\_\_\_\_, Bowls Diam. \_\_\_\_\_ in., Setting \_\_\_\_\_ ft.

Column Diam. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.

8. Motor: Fuel Elec. Make & Model \_\_\_\_\_ HP \_\_\_\_\_

9. Yield: Flow \_\_\_\_\_ gpm, Pump 15 gpm, Meas., Rept., Est. \_\_\_\_\_

10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_

Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.

Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.

- 11. Water Level: 177.80 ft. rept. 4-8 1966 above Steel Plate & Conc Base which is 0.45 ft. above surface.
- 199.92 ft. rept. 3-10 1967 below which is " ft. above surface.
- 177.58 ft. rept. 3-12 1968 below which is 0.45 ft. above surface.
- \_\_\_\_\_ ft. rept. \_\_\_\_\_ 19 \_\_\_\_\_ below which is \_\_\_\_\_ ft. above surface.

12. Use: Dom., Stock, Public Supply, Ind., Irr., Waterflooding, Observation, Not Used,

13. Quality: (Remarks on taste, odor, color, etc.)

Temp. 73 °F, Date sampled for analysis 9-4-68 Laboratory TSHD (TWDB)

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log,

Formation Samples, Pumping Test,

15. Record by: R. Perkins Date 4-8 1966

Source of Data Mary Caddel

16. Remarks: \_\_\_\_\_

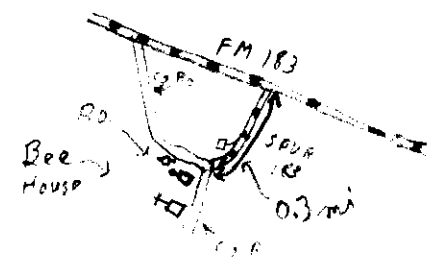
CASING & BLANK PIPE			
Cemented From _____ ft. to _____ ft.		Setting, ft.	
Diam. (in.)	Type	from	to
<u>6</u>	<u>Plastic</u>	<u>0</u>	<u>320'</u>
<u>5</u>	<u>"</u>	<u>320'</u>	<u>372'</u>

WELL SCREEN			
Screen Openings <u>22 ft</u>		Setting, ft.	
Diam. (in.)	Type	from	to
<u>5</u>	<u>Plastic</u>	<u>350'</u>	<u>372'</u>

in Files

1N

Obs Well



(Sketch)

Take Sample

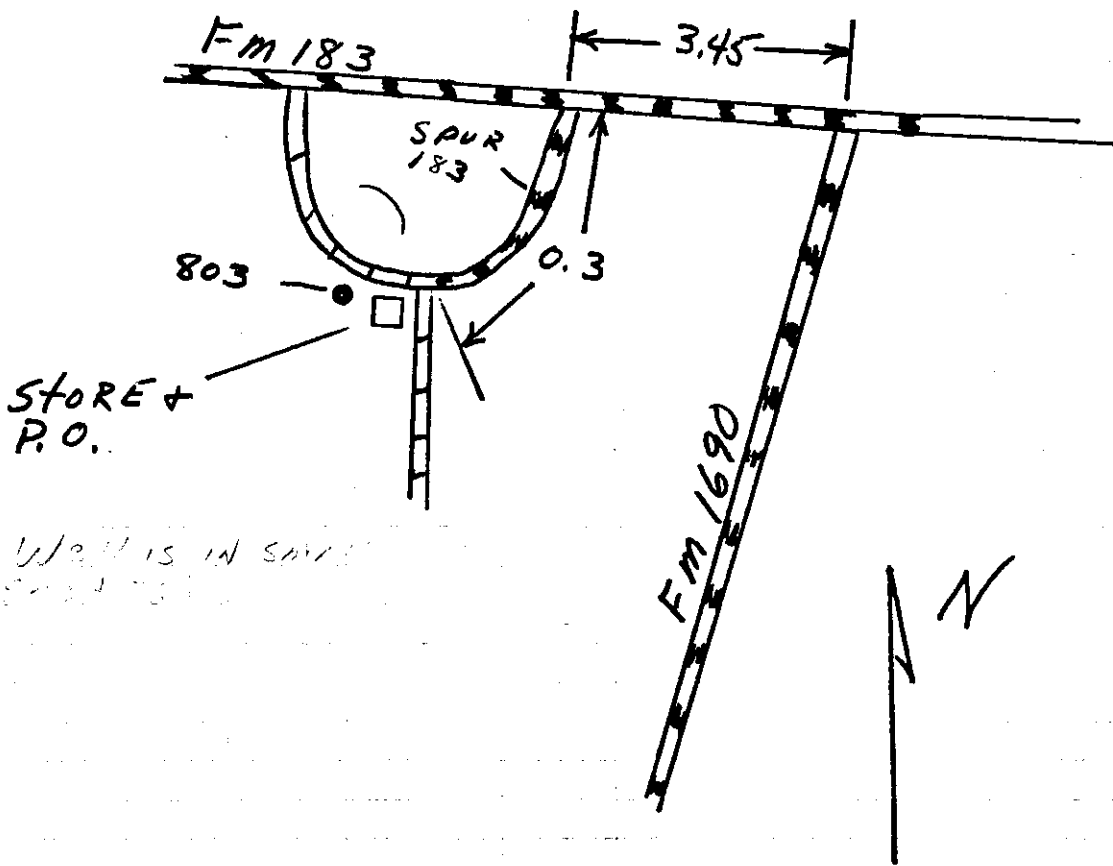
41-40-803 obs

BY \_\_\_\_\_ DATE \_\_\_\_\_ DIVISION \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CHKD \_\_\_\_\_ DATE \_\_\_\_\_ JOB NAME \_\_\_\_\_

41-40-803

JOB NO. \_\_\_\_\_ PROG. CODE \_\_\_\_\_



Well is in same  
G.P. as 803

41-40-803

Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

as Department of Health Laboratories  
1100 West 49th Street  
Austin, Texas 78756

TWDB ONLY	
Organization No. <u>914</u>	Lab No. <u>01</u>
Work No. <u>6042 IAC (86-87) 0838</u>	

**CHEMICAL WATER ANALYSIS REPORT**

Send Reply To:

Water Availability Data and Studies Section  
Texas Water Development Board  
Stephen F. Austin Building  
1700 Congress Ave.  
Austin, Texas 78711

County 050 Caryell  
State Well No. 41-40-803  
Well No. \_\_\_\_\_  
Date Collected 07-08-86

Attn: D.R. Jones Rm. 439

Owner Mary Caddel  Send copy to owner Sample No. 1 By D.R. Jones  
Address Box 14 Bee House, TX. 76512 Well Location \_\_\_\_\_

Date Drilled Aug. 1964 Depth 372 ft. WBF \_\_\_\_\_ 376 Source (type of well) Subm.

Producing intervals \_\_\_\_\_ Water level \_\_\_\_\_ ft. Sample depth \_\_\_\_\_ ft.

Sampled after pumping 2 min. hrs. Yield \_\_\_\_\_ GPM <sup>meas.</sup> <sub>est.</sub> Temperature 076 °F \_\_\_\_\_ °C

Point of collection Faucet at S.W. corner of house. Appearance  clear  turbid  colored  other

Use Dom. & Stock Remarks Water level obs. well.

(FOR LABORATORY USE ONLY)

**CHEMICAL ANALYSIS**

Laboratory No. 

Date Received JUL 10 '86

Date Reported AUG 05 '86

**KEY PUNCHED**

State Well No: <u>41-40-803</u>	WATER ANALYSIS	Date: <u>080486</u>	Sample No: <u>EB6-1407</u>	
	MG/L	ME/L	MG/L	ME/L
Silica: 00955:	12		Carbonate: 00445:	0
Calcium: 00910:	63	3.15	Bicarbonate: 00440:	354
Magnesium: 00920:	40	3.25	Sulfate: 00945:	533
Sodium: 00929:	412	17.91	Chloride: 00940:	281
Potassium: 00937:	7	.18	Fluoride: 00951:	2.4
T. Cations		24.49	Nitrate as NO3: 71850:	1.77
Manganese: 01055:		%Na _____	T. Anions	24.98
		SAR _____	pH: 00403:	8.1
Boron: 01022:			180 deg TDS: 70300:	1518
Total Iron: 01045:		RSC _____	P. Alk.: 00415:	0
Other _____			T. Alk.: 00410:	290
(Specific Cond.: 00095:	1720		T. Hardness: 00900:	320
Diluted Conductance (micromhos/cm3)			Ammonia-N: 00610:	
21 x135 = 2835			Nitrite-N: 00615:	
_____ items will be analyzed if checked.			Nitrate-N: 00620:	
			Organic Nitrogen: 00605:	

Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

Texas Department of Health Laboratories  
1100 West 49th Street  
Austin, Texas 78756

**TDWR ONLY**

Program No. \_\_\_\_\_ Lab No.   

Work No. 6040-410

**CHEMICAL WATER ANALYSIS REPORT**

Send report to:

Data Collection and Evaluation Section  
Texas Department of Water Resources  
P.O. Box 13087  
Austin, Texas 78711

**E. R. S.**

**APR 2 1980**

County 050 Coryell

State Well No. 41-40-803

Well No. \_\_\_\_\_

Date Collected 03-12-80

Location \_\_\_\_\_ Sample No.    By J. Derton

Source (type of well) Summ, Elec Owner MARY CADDEE Beehouse, Tx.

Date Drilled 8-64 Depth 372 ft. WBF HENSEL

Producing intervals 350-372 Water level \_\_\_\_\_ ft. Sample depth    ft.

Sampled after pumping Recently hrs. Yield \_\_\_\_\_ GPM meas. est. Temperature 67°F   °C

Point of collection faucet in front Appearance  clear  turbid  colored  other

Use DOM/SIK Remarks WLOW

(FOR LABORATORY USE ONLY)

Laboratory No. CO8059

**CHEMICAL ANALYSIS**  
Date Received MAR 14 1980

**KEY PUNCHED**

Date Reported MAR 31 '80

	MG/L	ME/L
Silica	11	
Calcium	61	3.04
Magnesium	42	3.48
Sodium	406	17.65
	Total	24.17
<input type="checkbox"/> Potassium	.	
<input type="checkbox"/> Manganese	.	%Na _____
<input type="checkbox"/> Boron	.	SAR _____
<input type="checkbox"/> Total Iron	.	RSC _____
<input type="checkbox"/> (other)	MG/L	
Specific Conductance (micromhos/cm <sup>3</sup> )	1810	
Diluted Conductance (micromhos/cm <sup>3</sup> )	<u>16 x 171</u>	

	MG/L	ME/L
Carbonate	166	-
Bicarbonate	337	5.52
Sulfate	527	10.98
Chloride	270	7.62
Fluoride	2.5	0.13
Nitrate	5.0	-
pH	7.8	Total
		24.25
<sup>1</sup> Dissolved Solids (residue at 180°C)		1482
Phenolphthalein Alkalinity as CaCO <sub>3</sub>		0
Total Alkalinity as CaCO <sub>3</sub>	(5.52)	276
Total Hardness as CaCO <sub>3</sub>	(6.52)	326
<sup>2</sup> Nitrogen Cycle		
Ammonia - N		.
Nitrite - N		0.24
Nitrate - N		.
Organic Nitrogen		.

items will be analyzed if checked.

<sup>1</sup> The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.

<sup>2</sup> Nitrogen cycle requires separate sample.

<sup>3</sup> Total Iron and Manganese require separate sample.

RECEIVED

APR 13 1981

CR/TDWR

Analyst \_\_\_\_\_ Checked By \_\_\_\_\_

CHEMICAL WATER ANALYSIS REPORT

Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

Texas State Department of Health Laboratories  
1100 West 49th Street  
Austin 5, Texas

Send report to:

Ground Water Division  
Texas Water Development Board  
P. O. Box 12386  
Austin, Texas 78711

County Coryell HB  
State Well No. 41 - 40 - 803  
Owners \_\_\_\_\_ Well No. 1  
Date Collected 9-4-68  
By Robert D. Perkins

Location @ Postoffice in Bee House, Tex  
Source (type of well) Submersible owner Mary Caddel, Bee House, Texas  
Date Drilled Aug 1964 Depth 372 ft. WBF Hensel  
Producing intervals 350-372 Water level 177.58 - 3-12-68 ft.  
Sampled after pumping 15 min hrs. Yield ±10 GPM meas. est. Temperature 73 °F  
Point of collection Tapon Distribution line Appearance Clear  
clear - turbid - colored  
Use Dom Remarks Send Results to owner

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS

KEY PUNCHED

Laboratory No. 108193W Date Received SEP 16 1968 Date Reported SEP 16 1968

	PPM	EPM		PPM	EPM
Silica	<u>9</u>		Carbonate		<u>0</u>
Calcium	<u>66</u>	<u>3.28</u>	Bicarbonate	<u>166</u>	<u>5.52</u>
Magnesium	<u>47</u>	<u>3.86</u>	Sulfate	<u>510</u>	<u>10.66</u>
Sodium	<u>375</u>	<u>16.32</u>	Chloride	<u>264</u>	<u>7.43</u>
Total		<u>23.46</u>	Fluoride	<u>2.6</u>	<u>0.14</u>
<input type="checkbox"/> Potassium			Nitrate	<u>2.5</u>	
<input type="checkbox"/> Manganese		%Na	pH	<u>7.5</u>	Total <u>23.75</u>
<input type="checkbox"/> Boron		SAR			
<input type="checkbox"/> Total Iron		RSC			
<input type="checkbox"/> (other)					

Specific Conductance (micromhos/cm<sup>3</sup>) 2200  
Diluted Conductance (micromhos/cm<sup>3</sup>) 21 x 132  
"□" items will be analyzed if checked. 2772

Total Iron requires separate sample.

<u>166</u>	<u>337</u>	<u>5.52</u>
<u>510</u>	<u>10.66</u>	
<u>264</u>	<u>7.43</u>	
<u>2.6</u>	<u>0.14</u>	
<u>2.5</u>		
<u>7.5</u>	Total	<u>23.75</u>
<u>1440</u>		
Phenolphthalein Alkalinity as C aCO <sub>3</sub> <u>0</u>		
Total Alkalinity as C aCO <sub>3</sub> <u>(5.52) 276</u>		
Total Hardness as C aCO <sub>3</sub> <u>(7.14) 357</u>		

Analyst \_\_\_\_\_  
Checked by \_\_\_\_\_

SEP 16 1968

/ The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.

TEXAS DEPARTMENT OF WATER RESOURCES—WATER LEVEL MEASUREMENTS (IN FT.)

AS OF 05-01-84

OLD WELL NUMBER

COORDINATES 31-24-11N  
098-04-52W

- Normal
- Publ.
- USGS

YR. REC. BEGINS 66

LAST CHEMICAL ANALYSIS 03-80

DATE OF CURRENT MEASUREMENT			CURRENT DEPTH TO WATER FROM LSD	CHANGE IN LEVEL SINCE THE LAST MEASUREMENT	Measurement Number	DEPTH TO WATER FROM MP	MP	Measuring Agency	Measurement Method	REMARKS	WELL USE	FIELD OBSERVATIONS
MO.	DAY	YR.										
04	08	66	177.35			177.80	+0.45	01	1		7	
03	10	67	199.47	-22.12		199.92	+0.45	01	1		7	
03	12	68	177.13	+22.34		177.58	+0.45	01	1		7	
03	17	69	188.42	-11.29		188.87	+0.45	01	1		7	
03	04	70	178.60	+9.82		179.05	+0.45	01	1		7	
03	05	71	182.25	-3.65		182.70	+0.45	01	1		7	
03	15	72	184.07	-1.82		184.52	+0.45	01	1		7	
03	12	73	181.89	+2.18		182.34	+0.45	01	1		7	
03	07	74	183.70	-1.81		184.15	+0.45	01	1		7	
04	09	75	186.73	-3.03		187.18	+0.45	01	2		7	
03	18	76	191.37	-4.64		191.82	+0.45	01	1		7	
03	08	77	202.50	-11.13		202.95	+0.45	01	1		7	
03	13	78	192.30	+10.20		192.75	+0.45	01	1		7	
03	27	79	193.08	-0.78		193.53	+0.45	01	1		7	
03	12	80	191.91	+1.17		192.36	+0.45	01	1		7	
04	02	81	203.05	-11.14		203.50	+0.45	01	1		7	
03	11	82	209.19	-6.14		209.64	+0.45	01	1		7	
05	10	83					+0.45	01		40	7	

AQUIFER 276 - HENSEL FORMATION

WATERSHED 12 - BRAZOS RIVER BASIN

COUNTY 050 - CORYELL

*Historical*  
CURRENT 41-40-803

TEXAS DEPARTMENT OF WATER RESOURCES—WATER LEVEL MEASUREMENTS (IN FT.)

AS OF 05-01-84

OLD WELL NUMBER

COORDINATES 31-24-11N  
098-04-52W

- Normal
- Publ.
- USGS

YR. REC. BEGINS

LAST CHEMICAL ANALYSIS

66

03-80

DATE OF CURRENT MEASUREMENT			CURRENT DEPTH TO WATER FROM LSD	CHANGE IN LEVEL SINCE THE LAST MEASUREMENT	Measurement Number	DEPTH TO WATER FROM MP	MP	Measuring Agency	Measurement Method	REMARKS	WELL USE	FIELD OBSERVATIONS
MO.	DAY	YR.										
03	29	84	200.35			200.85	+0.50	01	1		7	
								1	1		7	
4	22	86	208.80			209.30	.50	1	1		7	
4	6	87	214.66			215.16	.50	1	1		7	
02	12	88	225.78			226.28	+0.50	01	1		7	
1	31	89	217.20			217.36	0.50					
1	11	90	256.8			257.3	.50					Pumping
2	26	91	215.5			216.0	.50					
1	10	92	210.4			210.9	.50					
1	27	93	223.5			224.0	.50					
1	17	94	219.00			219.50	.50	01	1		7	
2	17	95	223.57				0.50	01	1		7	
01	17	96	239.8					01	1	04		
01	15	97	230.4		01	230.90	+0.50	01	1	-H <sub>2</sub>		✓
01	13	98	229.37			229.87	+ .50	01	1	H <sub>2</sub>		
1	28	99	-230.30		JA		+0.50	01	1	H <sub>2</sub>		
1	18	00	233.20			233.70	.50	01	1	H <sub>2</sub>		
1	11	01	235.35		SW	235.85	.50	01	1	20 H <sub>2</sub>		spotty

AQUIFER 276 - HENSEL FORMATION

WATERSHED 12 - BRAZOS RIVER BASIN

COUNTY 050 - CORYELL

Historical  
CURRENT 41-40-803

TEXAS WATER DEVELOPMENT BOARD — WATER LEVEL MEASUREMENTS

AS OF

OLD WELL NUMBER

WELL LOCATION: LAT.  
LONG.

- Normal
- Publ.
- USGS

YR. REC. BEGINS **66**

LAST CHEMICAL ANALYSIS

DATE OF CURRENT MEASUREMENT			CURRENT DEPTH TO WATER FROM LAND SURFACE	CHANGE IN LEVEL SINCE LAST STATIC MEASUREMENT	Measurement Number	DEPTH TO WATER FROM MP	MP	Measuring Agency	Measurement Method	REMARKS	WELL USE	FIELD OBSERVATIONS
MO.	DAY	YR.										
01	10	02	-214.23		GF	-214.78	+0.50	01	1	20	H/S	
01	18	03	-235.15		GM	235.65	+0.50	01	1	20	H/S	
12	18	03	-227		GM	227.50	.50					
01	13	04	-218.30		DW	218.80	+0.5	01	1	20	H/S	new owner does not want us to measure.

AQUIFER **HEISEL**  
 WATERSHED **BR205**  
 COUNTY **CORYELL**

WELL CLASS AND NUMBER **Historical 41-40-803**  
 MEASURING POINT (MP) **+0.50**