

TEXAS WATER COMMISSION

WELL SCHEDULE

Aquifer Houston

Field No. H-60 (E-log)  
 Owner's Well No. McLennan Co. WCD #1  
#1 Bellmead

State Well No. 40-32-102  
 County McLennan Co.

1. Location: 1/4, 1/4 Sec., Block Bellmead Survey Houston & Parrish

2. Owner: City of Bellmead (H) Address: Bellmead  
 Driller: Joe Sharp Address: 2801 Parrish St. Bellmead  
 Driller: Layne-Texas Address: Houston

3. Elevation of gnd level is 435 ft. above sea, determined by

4. Drilled: 6-15 1964; Dug, Cable Tool Rotary

5. Depth: Rept. 2303 ft. Meas. 2303 ft.

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

7. Pump: Mfr. Layne Type Turbine  
 No. Stages 9, Bore Dia. 3 1/2 in., Setting 326 ft. 609 ft. 11-64  
 Column Dia. 6 x 1 1/4 in., Length Tailpipe 11 ft.

8. Motor: Fuel Gas Make & Model GE K445P HP. 75

9. Yield: Flow 32 gpm, Pump 400 gpm, Meas., (Rept), Est. 310 head

10. Performance Test: Date 6-27-48 Length of Test 24 Made by L-Texas  
 Static Level 65 ft. Pumping Level 222 ft. Drawdown 157 ft.

Production 400 gpm Specific Capacity 0.705 gpm/ft.

11. Water Level: Flowed ft. rept. 6-22-1948 above/below surface  
Flowed ft. rept. 6-9-1949 above/below surface  
180 ft. rept. 1962 above/below surface LSP  
19 ft. rept. 1962 above/below surface

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

13. Quality: (Remarks on taste, odor, color, etc.) 9-28-48 T3HD-Fik

Temp. 113 °F, Date sampled for analysis 9-17-48 Laboratory USGS

Temp. 115 °F, Date sampled for analysis 3-31-49 Laboratory USGS

Temp. 116 °F, Date sampled for analysis summer 63 Laboratory USGS

14. Other data available as circled: Driller's Log, Radioactivity Log Electric Log, H-60

Formation Samples, Pumping Test

15. Record by: A.R. Smith Date 5 Nov 1964

Source of Data L-Texas, U.S.G.S. Schedules

16. Remarks: pumped 145,000 May 1944

metally non-watering aquifer

See U.S.G.S. 1949 Schedules

Base Glen Rose 1875

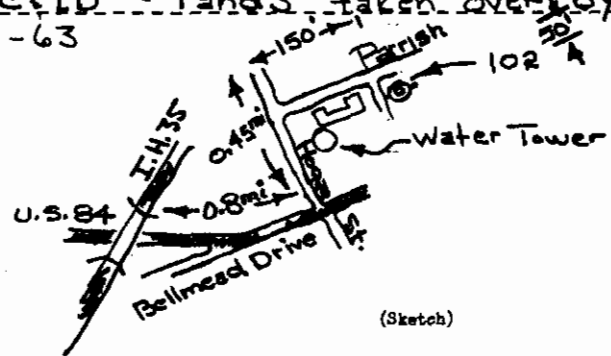
" Hensel 1935

McLennan WCD #s 1 and 3 taken over by

Bellmead 1-63


CASTING & BLANK PIPE			
Cemented From <u>0</u> ft. to <u>2115.24</u> ft.		Setting, ft.	
Diam. (in.)	Type	from	to
5 1/2	#09	0	702
3 1/2	#4	702	2102
6 3/8		2080.39	2115.24
6 3/8		2287.3	2303

WELL SCREEN			
Screen Openings <u>will slotted</u>			
Diam. (in.)	Type	Setting, ft.	
		from	to
6 3/8	<u>Slotted screen</u>	2115.24	2287.35
7 1/2			



Well located @ City Hall Complex in Brown Brick Bldg with Pulling Tower  
 Q-6  
 9700(E) 6.25 mi  
 3130(S) 6.35 mi

Driller's Log

Soil & clay	0 - 15
Gravel	15 - 20
Shale	20 - 30
Blue shale	30 - 84
Shale & lime	84 - 304
Shale	304 - 568
Shale & lime streaks	568 - 691
<u>Lime</u>	691 - 716
Lime & shale	716 - 764
Lime & hard shale	764 - 801
Lime & shale	801 - 1230
Soft lime & shale	1230 - 1428
Shale & lime	1428 - 1860
Shale & sandy shale	1860 - 1885
Sand & sandy shale breaks	1885 - 1925
Hard shale	1925 - 1976
Lime & shale	1976 - 1994
Hard shale & lime	1994 - 2027
Hard shale	2027 - 2050
Shale & lime	2050 - 2109
Shale & sand	2109 - 2135
Hard shale	2135 - 2139
Sand & shale layers	2139 - 2148
Hard sand	2148 - 2158
Sand, thin shale layers	2158 - 2185
Hard shale	2185 - 2193
Sandy shale	2193 - 2217
Sand & shale breaks	2217 - 2232
Hard shale	2232 - 2248
Sand	2248 - 2260
Broken sand	2260 - 2282
Hard sandy shale	2282 - 2296
Hard shale	2296 - 2303

40-32-102

Ch. Analysis

Ca -	CO <sub>3</sub> - 6
Mg -	HCO <sub>3</sub> - 428
Fe -	SO <sub>4</sub> -
Na -	Cl - 45
	F - 1.2
	NO <sub>3</sub> -

9-17-56

PH - 8.3  
TDS -

Hardness - 10  
Sp.C. @ 25°C - 1010

Re I data from  
A.C. Cook  
Board Water Engin  
Austin, Texas

**LAYNE-TEXAS CO**, Ltd.  
HOUSTON - DALLAS

D-7345  
# 151  
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**WELL LOG**

ELEV. WELL No. 1  
TEMPERATURE: 115 degrees

LOG OF WELL FOR: McLennan County Water Control & Improvement District No. 1

WELL LOCATED: Bellmead, Waco, Texas  
*City of Bellmead - 1960*

COUNTY: McLennan  
*ST-AD 32102*  
TEST HOLE COMPLETED: 6-15-48

JOB STARTED: 5-15-48 DRILLING STARTED 5-24-48

WELL CONSTRUCTION COMPLETED: PUMP INSTALLATION COMPLETED:

**FORMATION LOG**

**MATERIAL SETTING**

Depth Strata	Each Stratum	Formation	Depth of Setting	Length	Size and Kind of Material
15	15	Soil & clay	702.00'	702.00'	13 3/8" 54.5# casing
20	5	Gravel			T&C, Seamless,
30	10	Shale			Grade J-55
84	54	Blue shale	2102.00'	1400.00'	8 5/8" Pipe 24# T&C
304	220	Shale & Lime			with 13 3/8" x 8 5/8"
568	264	Shale			swedge
691	123	Shale & lime streaks	21.61'		Lap of 6 5/8" in 8 5/8"
716	25	Lime	2080.39'		Top of 6 5/8" Liner
764	48	Lime & shale	2115.24	34.85'	6 5/8" Blank T&C
801	37	Lime & hard shale	2287.35	172.11'	6 5/8" Screen, milled
1230	429	Lime & shale			slotted screen
1428	198	Soft lime & shale	2302.50'	15.15	6 5/8" Blank Pipe
1860	432	Shale & lime	2305.00	2.50	6 5/8" Set Nipple &
1885	25	Shale & sandy shale			Back Pressure Valve
1925	40	Sand & sandy shale breaks			and W. W. Plug
1976	51	Hard shale			
1994	18	Lime & shale			
2027	33	Hard shale & lime			
2050	23	Hard shale			
2109	59	Shale & lime			
2135	26	Shale & sand			
2139	4	Hard shale			
2148	9	Sand & shale layers			
2158	10	Hard sand			
2185	27	Sand, thin shale layers			
2193	8	Hard shale			
2217	24	Sandy shale			
2232	15	Sand & shale breaks			
2248	16	Hard shale			
2260	12	Sand			
2282	22	Broken sand			
2296	14	Hard sandy shale			
2303	7	Hard shale			

T. D.

#1