WRD Exp. (GW)
April 1966

Well No. P48

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

plugged

MASTER CARD

Record by REED Source of data SUPT Date 5-10-39 Map

State 28 County (or town) JKSN 30

Latitude: 30 24 48 N (deg 7 min 9 sec 11) Longitude: 088 32 16 (12 degrees 15 min sec 18) Sequential number: 2 (19)

Lat-long accuracy: 2 (20) T. 7 N S, R 6 E W, Sec 25, ¼, NW ¼, NE ¼ B & M

Local well number: P048BA25075 06W (21–34) Other number:

Local use: 024 (35–51) Owner or name:

Owner or name: MOSS POINT (52–66) Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — 67: M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — 68: P U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Φ) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — 69: U

DATA AVAILABLE: Well data (70) Freq. W/L meas.: (71) Field aquifer char. (72)

Hyd. lab. data: 6.27.39 (73)

Qual. water data; type: USGS 6-22-56 (74: P)

Freq. sampling: (75: P5) Pumpage inventory: yes / no, period: (76)

Aperture cards: yes (77)

Log data: (78–79)

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD (1–19) Depth well: ft 1100 (20–23) Meas. rept accuracy (24: 6)

Depth cased; (first perf.) ft 1080 (25–28) Casing type: ; Diam. in (29–30: 4)

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) other (31: S)

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other (32: H)

Date Drilled: 907 (33–35) Pump intake setting: ft (36–38)

Driller: SUTTER (name), (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — 39: N Deep Shallow (40)

Power (type): diesel, elec, gas, gasoline, hand, nat gas, LP gas, wind; H.P. (41) Trans. or meter no.

Descrip. MP ELBOW 3.2 ft above below LSD. Alt. MP

Alt. LSD: 5.87 (42–45) Accuracy: (source) (47: O)

Water Level +19.9 ft above below MP; Ft above below LSD +23 (48–51) Accuracy: (52: A)

Date meas: 53 5 39 55 Yield: gpm (56–60) Method determined (61)

Drawdown: ft (62–64) Accuracy: (65) Pumping period hrs (66–68)

QUALITY OF WATER DATA: Iron ppm (69) Sulfate ppm (70) Chloride ppm (71) Hard. ppm (72)

Sp. Conduct K x 10^6 (73) Temp. °F (74–76) Date sampled (77–79)

Taste, color, etc.

Well No. P48

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Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD [1] [19] Physiographic Province: [0 3] (20 21) Section: [ ]

[D] (22) Drainage Basin: [1 3 Q] (23 25) Subbasin: [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat [ ] (27)

MAJOR AQUIFER: [ ] system, [ ] series [T M] (28 29) [ ] aquifer, formation, group [P A] (30 31)

Lithology: [ ] [V S] (32 33) Origin: [ ] [3] (34) Aquifer Thickness: [ ] ft

[ ] (35 37) Length of well open to: [ ] ft [2 0] (38 40) Depth to top of: [ ] ft [ ] (41 43)

MINOR AQUIFER: [ ] system, [ ] series [ ] (44 45) [ ] aquifer, formation, group [ ] (46 47)

Lithology: [ ] [ ] (48 49) Origin: [ ] [ ] (50) Aquifer Thickness: [ ] ft

[ ] (51 53) Length of well open to: [ ] ft [ ] (54 56) Depth to top of: [ ] ft [ ] (57 59)

Intervals Screened: [ ]

Depth to consolidated rock: [ ] ft [ ] (60 63) Source of data: [ ] [ ] (64)

Depth to basement: [ ] ft [ ] (65 68) Source of data: [ ] [ ] (69)

Surficial material: [ ] [ ] (70 71) Infiltration characteristics: [ ] [ ] (72)

Coefficient Trans: [ ] gpd/ft [ ] (73 75) Coefficient Storage: [ ] [ ] (76 78)

Coefficient Perm: [ ] gpd/ft^2; Spec cap: [ ] gpm/ft; Number of geologic cards: [ ] [ ] (79)

[ ]

1. A temperature probe was lowered in the well to a depth of 1,100 feet. The temperature was 29°C (84°F) at the bottom of the hole. The temperature at the surface was 28°C (83°F).

2. A electric-log probe was run to a depth of 1,101 feet and a log was made of casing.

3. A cap and plug for measuring pressure was fixed on well head.

4. Pressure of +8.5 feet was read.

5. Specific conductance of the water was 1,600 micrombos.

6. Water has a slight straw color and salty taste.

Well P49 was uncovered and opened. Water flowed at a rate of about 20 to 25 gpm. After about 30 minutes the flow increased to about 90 gpm. The water contained a considerable amount of sand. This continued for 15 to 20 minutes and then the water stopped flowing. The following work was performed: 8/6/1970

Well No. P 49

-700

P48. P49

The Record

Aug. 12, 1970

J. A. Callahan

Reopening and measuring of wells P48 and P49, City of Moss Point

Wells P48 and P49 were drilled for the City of Moss Point in 1907 and 1926, respectively, and the depths are reported to be 1,100 and 1,807 feet, respectively. Well P48 is located near the intersection of Main Street and Mississippi Highway 63, and Well P49 is near Main Street and old Highway 90. The wells are about 100 yards apart.

Well P48 is a flowing well and presently unused. It could be added to the observation well network. Well P49 is the salt-water well once used for the city's swimming pool and is now capped. This well was reported to flow over 250± gpm with a pressure greater than 30 lbs.

Mr. H. N. Boisarge, Superintendent of Public Works for the city of Moss Point, was contacted about these wells. He was very interested in our work and offered to help in all possible ways. On Thursday, August 6, 1970, I met with Mr. Charles Wilson and his crew. Bill Oakley arrived with the electrical logger. Well P48 was opened and the following work was performed:

1. A temperature probe was lowered in the well to a depth of 1,100 feet. The temperature was 29°C (84°F) at the bottom of the hole. The temperature at the surface was 28°C (83°F).

2. A electric-log probe was run to a depth of 1,101 feet and a log was made of casing.

3. A cap and plug for measuring pressure was fixed on well head.

4. Pressure of +8.5 feet was read.

5. Specific conductance of the water was 1,600 micromhos.

6. Water has a slight straw color and salty taste.

Well P49 was uncovered and opened. Water flowed at a rate of about 20 to 25 gpm. After about 30 minutes the flow increased to about 90 gpm. The water contained a considerable amount of sand. This continued for 15 to 20 minutes and then the water stopped flowing. The following work was performed:

1. An electric-log probe was run to a depth of 1,810 feet and a log was made of casing. Obstruction was noted at 1,029 feet which took a bit of work to get by.

2. A one-liter sample was obtained. Water has a slight straw color.

3. Temperature at surface was 29°C (84°F). Temperature probe was not put in well because of the sand problem.

4. Specific conductance was 5,000 micromhos.

Work was observed by Mr. McDavid Alderman for City of Moss Point. He was very interested in our work.

While this work was being performed, Paul Grantham of this office and Hal Goins from the Baton Rouge, La., office were running a gamma-ray log on well P111 at Pascagoula. They came to Moss Point and attempted to run a gamma-ray log on P49. This was unsuccessful as the sensitivity was insufficient to record. It is hoped that a gamma-ray log may yet be obtained on these wells in the future.

On Friday, August 7, I talked with Mr. Borsarge about well P49 and the possibility that it is leaking into the shallower aquifer. The electric log showed several suspicious sections which may or may not be breaks. A nearby well has sand aquifers at a depth of 60 and 200 feet that contains brackish water, which add to this thought. I told Mr. Borsarge we would discuss this and that we would be in touch with him.

J. A. Callahan

cc: Reading File
Callahan

JAC/cj