

GW01165 Don# 0200004-02

WRD Exp. (GW)
April 1966

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH Well No. 017

WELL SCHEDULE

E-log # 7

JUL 28

U. S. DEPT. OF THE INTERIOR GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

SITE I. D. 305607088350401

MASTER CARD

Record by T.N. Shew Source of data Driller Date 10-23-59 Map Lucedale
 State 15 County 28 (or town) George Sequential number: 20
 Latitude: 30 deg 56 min 07 sec N Longitude: 088 deg 35 min 04 sec W
 Lat-long accuracy: 3 T. 1 S. R. 6 Sec 28 Sec 28 Sec 28 NE NE
 Local well number: 02017 CA 28 01506 W Other number: Well # 2
 Local use: 064 Owner or name: LUCEDALE Address: _____
 Ownership: (C) County, (F) Fed Gov't, (M) City, Corp or Co, (N) Private, (P) State Agency, (S) Water Dist, (W) _____ M
 Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Mad, (J) P S, (K) Rec, (L) Stock, (M) Instit, (N) Unused, (O) Reppure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Other _____ P
 Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed _____ W

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.
 Hyd. lab. data: _____
 Qual. water data; type: MSBON Complete 9-8-66
 Freq. sampling: Pumpage inventory: yes no; period: _____
 Aperture cards: _____ yes
 Log data: E-log to 450' DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1008 ft Meas. accuracy: 6
 Depth cased; (first perf.): 958 ft Casing type: _____; Diam. in: 10
 Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) perf., (K) screen, (L) sd. pt., (M) shored, (N) open hole, (O) other _____ 5
 Method Drilled: (A) air rot., (B) bored, (C) cable, (D) dug, (E) hyd jetted, (F) air rot., (G) reverse percussion, (H) air wash, (I) reverse rotary, (J) driven, (K) wash, (L) other _____ 7
 Date Drilled: 10-23-59 9:59 Pump intake setting: _____ ft _____
 Driller: Layne Central
 Lift (type): (A) air, (B) bucket, (C) cent., (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot., (J) submerg, (K) turb, (L) other _____ 7 Deep Shallow
 Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. _____ 5 Trans. or meter no. _____
 Descrip. MP BREATHER HOLE 2' ABOVE LSD ft above below LSD. Alt. MP _____
 Alt. LSD: 10-19-52 210 221 Accuracy: (source) Bona _____ 7
 Water Level: _____ ft above below MP; _____ ft above below LSD _____ Accuracy: _____ A
 Date meas: _____ Yield: _____ gpm _____ Method determined _____
 Drawdown: _____ ft _____ Accuracy: _____ Pumping period _____ hrs _____
 QUALITY OF WATER DATA: Iron _____ ppm Sulfate 8.6 ppm Chloride 15 ppm Hard. _____ ppm
 Sp. Conduct _____ K x 10⁶ _____ Temp. _____ °F _____ Date sampled _____ 9.66

10-19-52
12.00
8.70
133.50
2.00
151.50

T&M = 2450 10-19-52 D.D. SP. Cond - 162 P.H. 6.9 Sample

Well No.

017

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 03 Section: _____

Drainage Basin: 130 Subbasin: _____

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (H) (K) (L) (O) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat Hillside 27 5

MAJOR AQUIFER: _____ system _____ series TM aquifer, formation, group MOCN on permit HA 30 31

Lithology: _____ US Origin: _____ 3 Aquifer Thickness: _____ ft 32 33 34

Length of well open to: _____ ft 50 Depth to top of: _____ ft _____ 35 37 38 40 41 43

MINOR AQUIFER: _____ system _____ series _____ aquifer, formation, group _____ 44 45 46 47

Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft 48 49 50

Length of well open to: _____ ft _____ Depth to top of: _____ ft _____ 51 53 54 56 57 59

Intervals Screened: _____

Depth to consolidated rock: _____ ft _____ Source of data: _____ 60 63 64

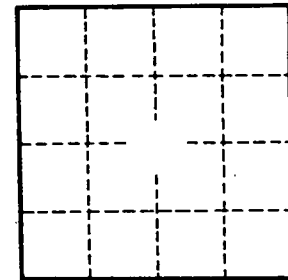
Depth to basement: _____ ft _____ Source of data: _____ 65 68 69

Surficial material: _____ Infiltration characteristics: _____ 70 71 72

Coefficient Trans: _____ gpd/ft _____ Coefficient Storage: _____ 73 75 76 78

Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____ 79

6 log to 480'



Well No. 41

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

Lucedale Quad

Horubreak

7/25/96

USER NAME(S): Bishop DATE: 8-3-94

UNIT DEQ #: 82859 82859 FILE #: B072500A
20803208

HEALTH DEPT. #: 200004-02 ✓ ELEV. 220

USGS #: C-9003 C-17 OLWR #: GW-1165

OWNER: City of Lucedale ✓ Lucedale Quad ✓

LOCATION: NE-SE-NE ✓ SE-NW ✓ S 28 T 15 R 6W COUNTY: Georges ✓

LOCATION DESCRIPTION: Well #2 is located on Along Dist Rd
Beyond Well #1 about 1000 FT

CASING DIA: 16" PUMP TYPE & SIZE: 40 hp Elec ✓

GPS FIELD LOCATION: LAT. 30° 56' 04.3" LONG. 88° 34' 54.9"
30 56.083 88 34.965

GPS CORRECTED LOCATION: LAT. 30.93455821 LONG. 88.58175051

REMARKS: Gps at well
Turn Left (North) off old Hwy 98 on Depot Rd Go .50
mi. To water well rd, Turn Left (west) Go .2 mi.
To Dist Rd with Locked Gate. Go .20 mi To water plant
on Left. Well is .10 mi North of plant.

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FROM THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

RECEIVED

OCT 19 1995

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
 P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5200

This box is for office use only.

1-23-96 AGW.

FORM OLWR-AP-2 (REV. 9/94)

| | | | |
|-----------------|--------------------|---|--------------------|
| Issued: 1-28-86 | Expires: 1-28-2006 | Fee Paid: <input checked="" type="checkbox"/> | Permit No. |
| Lat. Oh | Long. Oh | Elev. 200 | USGS No. |
| Quad. Lucedale | ASCS Farm No. | STAC. | MSDOH No. |
| Aquifer: MOCN | Tract No. | | Basin No. 03170006 |
| Remarks: | | | Dam Inv. No. |

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. GW-1165

THIS APPLICATION IS FOR (Circle one): GROUNDWATER - COMPLETE A,B,E SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply - Municipal, Rural Water, or Private Water 2) Irrigation
 3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other: _____

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: City of Lucedale, Mississippi 64-6009588
 (Name) (SSN or Tax ID No.)
City Hall, 5126 Main Street
 (Address)
Lucedale Ms 39452 (601) 947-2082
 (City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):
SAME
 (Name) (SSN or Tax ID No.)
 (Address)
 (City) (State & Zip) (Telephone)

NO MAP

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):
SE 1/4 of the NE 1/4 of Section 28, Township 1S, Range 6W, County George
 Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number. Additional 500 GPM well operating alternately with this well.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: MOCN MISSISSIPPI DEPARTMENT OF HEALTH NO.: 200004
 2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____
 If well has already been drilled, when was well completed (date)? December, 19 59. Under whose name was well originally drilled (if known)? Unknown
 3. Description of proposed or completed well:
 (a) DEPTH OF WELL: 1,011 feet. DRILLER: _____
 (b) SURFACE CASING: Length 945 feet; Diameter 10 inches; Type Unknown
 (c) SCREEN: Length 50 feet; Diameter 8 inches; Type Keystone Stainless Steel
 (d) PUMP: Type Westinghouse, size 40HP 1765 RPM, Capacity 590 gallons per minute; Setting depth 124.8 feet
 (e) POWER UNIT: Type _____; Size _____ horsepower
 4. PERMITTED VOLUME:
 (a) _____ million gallons per year at a maximum rate of _____ gallons per minute
 (b) 2.50 million gallons per day at a maximum rate of 590 gallons per minute

(CONTINUED ON BACK)

590

SECTION C (to be completed for SURFACE WATER SOURCE)

- Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
- Description of pump/diversion works:
Pump (size & type): _____ Power Unit (size & type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute
- _____ acre-feet per year at a maximum rate of _____ gallons per minute

SECTION D (to be completed for SURFACE WATER IMPOUNDMENTS {DAMS} on continuously flowing streams)

- Name of storage reservoir: _____ Dam Height: _____ feet
- Surface area at normal pool: _____ Storage capacity at normal pool: _____ acre-feet

SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)

- IRRIGATION:** List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Oats _____; Corn _____; Soybeans _____; Pasture _____; Truck _____; Wheat _____; Grain Sorghum _____; Other (specify) _____ Acres
A. Method of Irrigation (circle one) - Center Pivot Flood Furrow
B. Land Condition (circle one) - Precision Land Formed Smoothed
C. ASCS Farm No. _____ **Tract No.** _____

- FISH CULTURE:** Explain how water will be used: _____
How often will reservoir (s) be emptied and refilled? _____

3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM

Chose "a" or "b". (a) The number of people served is _____ or (b) The number of connections is 1133
 What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?

| | | | | | | | |
|----------------|-------------|----------------|-------------|-----------------|-------------|----------------|-------------|
| <u>0.52MGD</u> | <u>1995</u> | <u>0.53MGD</u> | <u>2000</u> | <u>0.54 MGD</u> | <u>2005</u> | <u>0.55MGD</u> | <u>2010</u> |
| (Volume) | (Year) | (Volume) | (Year) | (Volume) | (Year) | (Volume) | (Year) |

- INDUSTRIAL:** If the water is to be released into a watercourse, indicate the amount released each year _____;
Rate of release _____; NPDES Permit No. _____
Explain any changes in quality of water to be released: _____
Explain how water will be used: _____
How much groundwater will be used for once-through non-contact cooling? _____

- RECREATION:** Explain how water will be used: _____

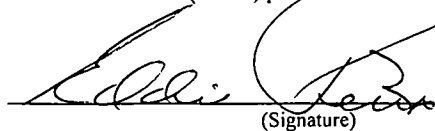
- OTHER USE:** Explain in detail (if needed, attach another page): _____

7. REMARKS: This well is known as well #2 and alternates with Well #1 at same location.


List below the person to be contacted for additional information if required.

Eddie Pitts
 (Name)
5126 Main Street
 (Address)
Lucedale, Ms 39452
 (City, State, Zip)
(601) 947-2082
 (Telephone)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.


 (Signature)

Subscribed and sworn to before me this 17 day of Oct, 19 95, at Lucedale, MS County of George

My commission expires December 14, 1996
 My commission expires _____
 Notary Public.

