

FORM 9-1642 (1-68)

Well No. E41

WELL SCHEDULE

E log #121

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED
MAR 18 1974

MASTER CARD

Record by WJO Source of data Bowc mgs Date 10/72 Map Carterville
 State MISS 28 County (or town) FORREST 18
 Latitude: 311908 N Longitude: 089122 Sequential number: 1
 Lat-long accuracy: 7 T 4 N 12 S, R 9 Sec SW SW SE
 Local well number: E041CDO904N12W Other number: Well #2
 Local use: 184121 Owner or name: SUNRISE UTILITY Address: SUNRISE, MISS.
 Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N
 Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other P
 Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.
 Hyd. lab. data:
 Qual. water data; type:
 Freq. sampling: Pumpage inventory: yes no, period:
 Aperture cards: yes
 Log data: E log 16'-939' DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 894 ft Meas. rept 3
 Depth cased; (first perf.) split screen ft 791 Casing type: 8 X 6 in 8
 Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) open hole, (K) perf., (L) screen, (M) sd. pt., (N) shored, (O) open hole, (P) other S
 Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd rot., (F) jetted, (G) air percussion, (H) reverse, (I) trenching, (J) driven, (K) drive wash, (L) other H
 Date Drilled: 10/72 972 Pump intake setting: 25 ft V
 Driller: GRINER name address 25 Deep T Shallow
 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 T
 Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 25 V Trans. or meter no. 25
 Descrip. MP 262 above ft below LSD, Alt. MP topo 3
 Alt. LSD: 262 Accuracy: (source) topo 3
 Water Level: 125 ft above MP; Ft below LSD 125 Accuracy: D
 Date meas: 072 Yield: 200 gpm Method determined
 Drawdown: 072 ft Accuracy: 200 Pumping period 200 hrs
 QUALITY OF WATER DATA: Iron 0 ppm Sulfate 0 ppm Chloride 0 ppm Hard. 0 ppm
 Sp. Conduct 0 K x 10 Temp. 0 °F Date sampled 0

HYDROGEOLOGIC CARD

GENERAL
APR 31 9 AM

AS ON MASTER CARD

Physiographic Province:

03

Section:

D

Drainage Basin:

130

Subbasin:

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (P) offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR

AQUIFER:

system

series

TM

aquifer, formation, group

MZ

Lithology:

US

Origin:

3

Aquifer

Thickness:

65 broken

Length of well open to:

ft

40

Depth to top of:

785

ft

MINOR

AQUIFER:

system

series

aquifer, formation, group

Lithology:

Origin:

Aquifer

Thickness:

Length of well open to:

ft

Depth to top of:

ft

Intervals Screened:

Depth to consolidated rock:

ft

Source of data:

Depth to basement:

ft

Source of data:

Surficial material:

Infiltration characteristics:

Coefficient Trans:

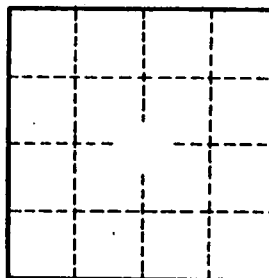
gpd/ft

Coefficient Storage:

Coefficient Perm:

gpd/ft²; Spec cap:

gpm/ft; Number of geologic cards:



Well No.

CODED

Log # 121
E 41
FORREST Co.

MISSISSIPPI
BOARD OF WATER COMMISSIONERS
416 North State Street
Jackson, Mississippi 39201

WATER WELL DRILLERS LOG

date well completed Oct. 1972 firm name GRIVER DRILLING SERVICE county well located Forrest

LANDOWNER: SUNRISE
Utility Assn. #2
(mailing address)

WELL LOCATION: S 1/4 S 1/4 SE 1/4
sec. 9 T. 4 N. R. 12 E.
6 miles E. of Petal
(distance) (direction) (nearest town)

WELL PURPOSE: (home, irrigation, municipal, industrial)

- WELL COMPLETION DATA:
- (1) diameter (inches) 8 x 6
 - (2) total depth (feet) 894
 - (3) static water level (feet) 125 ^{below}/_{above} top of ground.
 - (4) casing P.I. 782
(material) (depth)
8 5/8 if telescope see back.
(size)
 - (5) screen 40 791
(length) (depth to top)
6 304 SS.
(size) (material)
 - (6) pump 25 200
(HP) (yield gpm)
Eket.
(type power)
 - (7) electric log Yes
(yes or no)
MGS
(organization running log)
 - (8) how well bottom plugged Back
Wash Valve

description of formations encountered	from	to
Top Soil	0	2
Sand	230	
Clay		
Sand + Gravel		
Clay	30	119
Sand + Gravel, coarse	119	310
Clay	310	386
Sandy Clay	386	500
	500	668
	668	699
Sandy Clay	699	760
Clay	760	781
Sand	781	820
Clay	820	840
Sand	840	858
Clay	858	866
Sand	866	900
Clay with sandy streak	900	941

CODED

JUNE 1 197

DRILLERS REMARKS:

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



DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

This box is for office use only. 8-13-96 AGW. Dept. of Environmental Quality FORM OLR-AR-2 (REV. 9/04)

Table with 4 columns: Issued, Expires, Fee Paid, Permit No., Lat., Long., Elev., USGS No., Quad., ASCS Farm No., STAC., MSDOH No., Aquifer, Tract No., Basin No., Remarks, Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. GW-2008

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: Sunrise Utility (Name) 64-0479512 (SSN or Tax ID No.) 465 Batson Road (Address) Petal, MS 39465 (City) (State & Zip) (601) 582-9354 (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

(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): SW 1/4 of the SE 1/4 of Section 9, Township 4N, Range 12W County Forrest

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.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Catahoula O.K. MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180013-01

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____. If well has already been drilled, when was well completed (date)? _____, 19 73. Under whose name was well originally drilled (if known)? _____

3. Description of proposed or completed well: (a) DEPTH OF WELL: 898 feet. DRILLER: Griner Drilling Service (b) SURFACE CASING: Length 780 feet; Diameter 8 5/8 inches; Type Steel (c) SCREEN: Length 40 feet; Diameter 6 inches; Type wire/wound-stainless (d) PUMP: Type Turbine; Size 25 H.P.; Capacity 200 gallons per minute; Setting depth 206 feet steel. (e) POWER UNIT: Type _____; Size 25H.P. horsepower

4. PERMITTED VOLUME: (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute (b) 0.13 million gallons per day at a maximum rate of 200 gallons per minute

(CONTINUED ON BACK)

Handwritten signature

200

SECTION C (to be completed for SURFACE WATER SOURCE)

1. Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
2. Description of pump/diversion works:
Pump (size & type): _____ Power Unit (size & type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute
3. _____ 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)

1. Name of storage reservoir: _____ Dam Height: _____ feet
2. 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)

1. **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. _____
2. **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 925
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?
 _____ (Volume) _____ (Year); _____ (Volume) _____ (Year); _____ (Volume) _____ (Year); _____ (Volume) _____ (Year)
4. **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? _____
5. **RECREATION:** Explain how water will be used: _____
6. **OTHER USE:** Explain in detail (if needed, attach another page): _____
7. **REMARKS:** _____

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

Anda Hession
(Name)

(Address)
465 Batson Road
(City, State, Zip)
Petal, MS 39465
601-582-9354
(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 2 day of Oct., 19 95 at Petal, County of Forrest

My commission expires My Commission Expires Sept. 20, 1998 Anda Hession Notary Public.

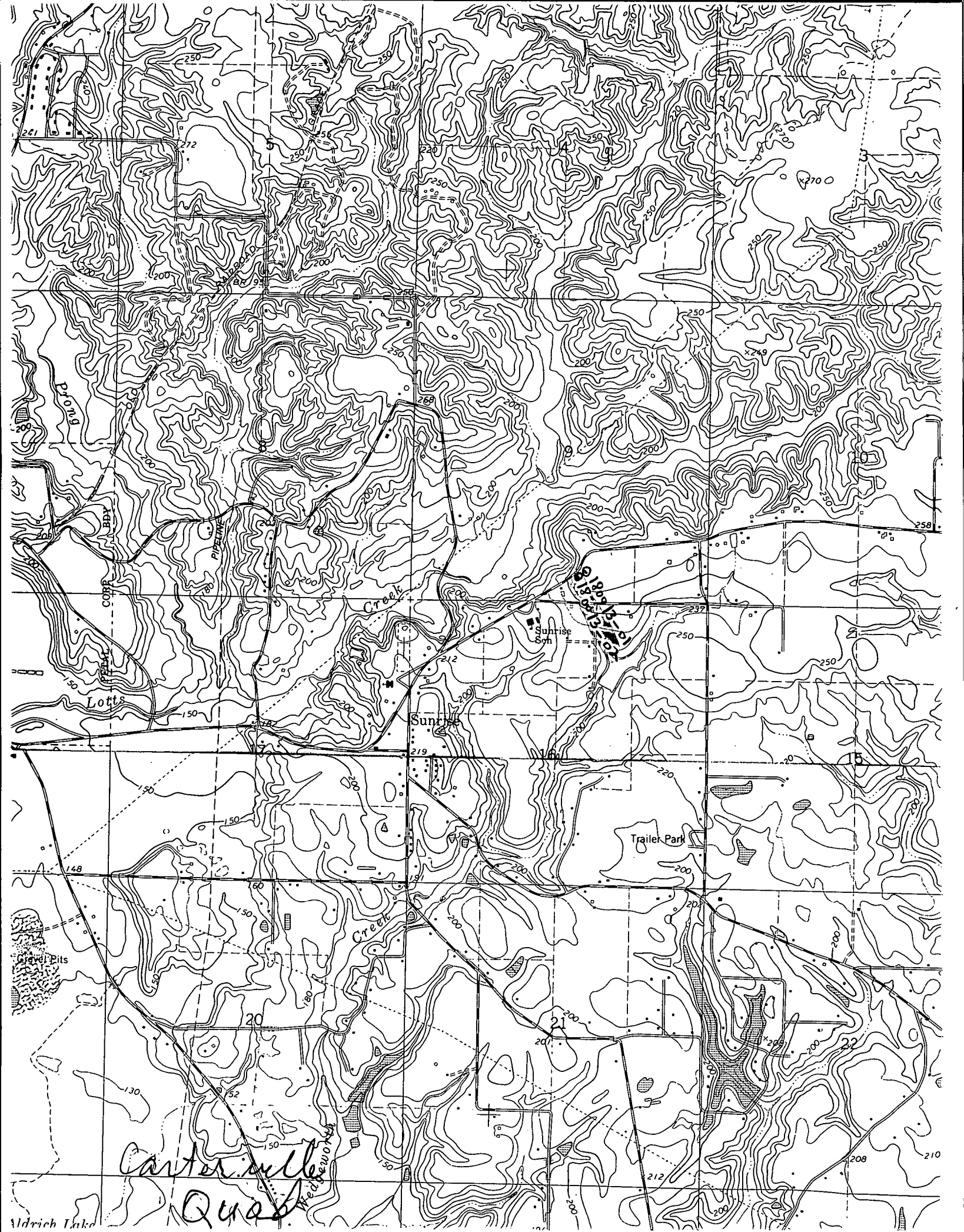
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Catterville
Quad.

GPS LOG

USER NAME(S): C.A. Hornbeak DATE: 6/29/94
UNIT DEQ #: 82555 FILE #: C062922A
HEALTH DEPT. #: 180013-02 ELEV. _____
USGS #: 2-136 E41 OLWR #: 2008
OWNER: Sunrise Util. Assn.
LOCATION: SW-SW-SE S 9 T 4N R 12W COUNTY: Forest
LOCATION DESCRIPTION: AT Elev. Tank on Sunrise Rd 1/2 mi. NE
of Intersection of Sunrise Rd + Davis Rd.
(well is west of Tank)
CASING DIA: 8" PUMP TYPE & SIZE: 25 HP Elec
GPS FIELD LOCATION: LAT. 31° 19.147 LONG. 89° 12.209
GPS CORRECTED LOCATION: LAT. 31.1907945 LONG. 89.1213984
REMARKS: GPS at well. 31.318874 89.203884



Carterville
Quas

Aldrich Lake