

ID

WRD Exp. (GW)
April 1966

Well No. E26

WELL SCHEDULE

E109 # 81

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

MASTER CARD

Record by EHB Source of data MSGS 109 Date 8-12-68 Map Carterville

State 28 County (or town) Franklin Sequential number: 1

Latitude: 311970 N Longitude: 0891210 Sec 18

Lat-long accuracy: 20 T. 4 S. R. 12 Sec 9 W/2, Sec 1, S E 1/4

Local well number: E0264D0904N12W Other number: Well #1

Local use: 184081 Owner or name: Sunrise Utility Assoc.

Owner or name: SUNRISE UTILITY Address: _____

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. 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: MSB6H 5/69 USGS 1/74

Freq. sampling: Pumpage inventory: period: _____

Aperture cards: _____

Log data: E109 10-100 D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: T.D. 902 ft 900 Meas. accuracy 3

Depth cased: (first perf.) _____ ft 790 Casing type: _____; Diam. _____ in 8

Finish: porous concrete, gravel w. (perfl.), (screen), (gravel w. (screen)), (horiz. gallery), (open end), (perfl., screen, sd. pt., stored, open hole), other S

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

Date Drilled: 6/68 968 Pump intake setting: _____ ft _____

Driller: Shriver Drilling Serv. name address _____

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

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

Descrip. MP OK ft above LSD. Alt. MP _____

Alt. LSD: _____ Accuracy: (source) V? 265 47 4

Water Level: _____ ft above below MP; Ft 30 LSD 30 Accuracy: _____ D

Date meas: 968 Yield: e gpm 200 Method determined 61

Drawdown: _____ ft _____ Accuracy: _____ Pumping period _____ hrs _____

QUALITY OF WATER DATA: Iron .1 ppm Sulfate 7.6 ppm Chloride 13 ppm Hard. 27 ppm

Sp. Conduct 215 K x 10⁶ Temp. 24 °F Date sampled 569

Taste, color, etc. pH=7.9

W/L=148
10/30/81

Well No. E26

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: _____ Section: 03
 Drainage Basin: D Subbasin: 130

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

MAJOR AQUIFER: _____ system _____ series TM aquifer, formation, group MZ

Lithology: US Origin: 3 Aquifer Thickness: _____ ft

Length of well open to: _____ ft _____ Depth to top of: _____ ft _____

MINOR AQUIFER: _____ system _____ series _____ aquifer, formation, group _____

Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft

Length of well open to: _____ ft _____ Depth to top of: _____ ft _____

Intervals Screened: Split - 60' at 110

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: _____

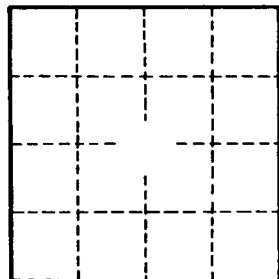
Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

Split Screen
 { 790' - 820'
 870' - 900' }

157.
 698

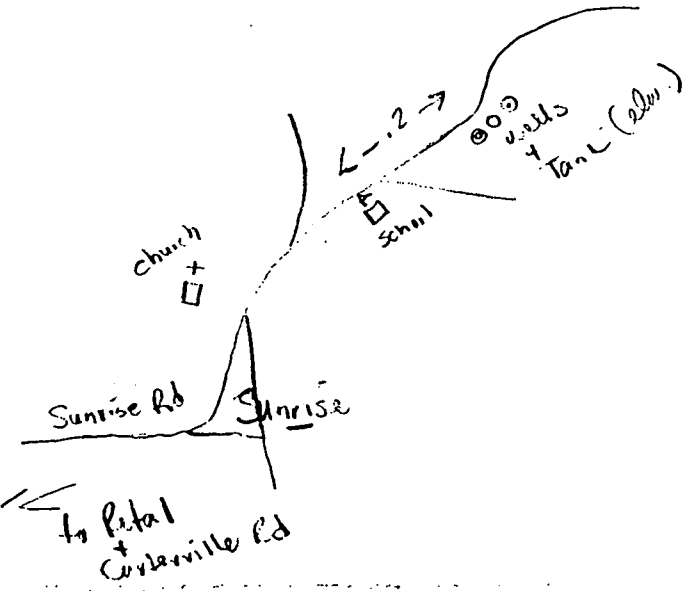
 150.02
 1.75

 148.29



Well No. _____

E26



Harvest
 E 26
 1-20-68
 M.G.S.
 1-20

MISSISSIPPI
 BOARD OF WATER COMMISSIONERS

416 North State Street
 Jackson, Mississippi 39201

WATER WELL DRILLERS LOG

19 68 Eriner Drilling Ser.

Forrest

date well completed firm name county well located

LANDOWNER: <u>Surprise Utilities</u> <u>Ass'n.</u>	description of formations encountered	from	to
<u>Hattiesburg, Miss</u> (mailing address)	<u>Top Soil</u>	<u>0</u>	<u>2</u>
WELL LOCATION: sec <u>9</u> T <u>4N</u> R <u>12W</u> S W <u>5</u> miles <u>18</u> of <u>Hattiesburg</u> (distance) (direction) (nearest town)	<u>Sand</u>	<u>2</u>	<u>35</u>
WELL PURPOSE: <u>Municipal</u> (home, irrigation, municipal, industrial)	<u>Blue Clay</u>	<u>35</u>	<u>194</u>
WELL COMPLETION DATA: (1) diameter (inches) <u>8</u>	<u>Sand</u>	<u>19</u>	<u>323</u>
(2) total depth (feet) <u>900'</u>	<u>Clay</u>	<u>323</u>	<u>383</u>
(3) static water level (feet) <u>130</u> below above top of ground.	<u>Loarse SAND</u>	<u>383</u>	<u>549</u>
(4) casing <u>Steel</u> , <u>790</u> , (material) (depth) (size) if telescope see back.	<u>Clay</u>	<u>549</u>	<u>610</u>
(5) screen <u>60'</u> , <u>794</u> (length) (depth to top) <u>6"</u> , <u>stainless steel</u> (size) (material)	<u>SAND</u>	<u>610</u>	<u>628</u>
(6) pump <u>20</u> <u>200</u> (HP) (yield gpm) <u>Electric</u> (type power)	<u>Clay</u>	<u>628</u>	<u>670</u>
(7) electric log <u>MIS</u> (yes or no) <u>MIS</u> (organization running log)	<u>SAND</u>	<u>670</u>	<u>704</u>
(8) how well bottom plugged <u>BACK</u> <u>WASH Valve</u>	<u>Clay</u>	<u>704</u>	<u>792</u>
DRILLERS REMARKS:	<u>SAND</u>	<u>792</u>	<u>836</u>
	<u>Clay</u>	<u>836</u>	<u>868</u>
	<u>SAND</u>	<u>868</u>	<u>904</u>
	<u>Clay w/ SAND BREAKS</u>	<u>904</u>	<u>1006</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>CODED</u>	<u>CODED</u>	<u>CODED</u>
	<u>MISS. Bd. OF WATER COMM.</u>		



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

OCT 06 1995

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 AGN

Dept. of Environmental Quality FOR GROUNDWATER (RENEWAL) RESOURCES

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. MS-6W-02007

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

~~SURFACE WATER COMPLETE A,B,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: Rural Water Asso.

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 68. Under whose name was well originally drilled (if known)? _____

3. Description of proposed or completed well:

- (a) DEPTH OF WELL: 902 feet. DRILLER: Griner Drilling Service
(b) SURFACE CASING: Length 790 feet; Diameter 8 5/8 inches; Type Steel
(c) SCREEN: Length 60 feet; Diameter 6 inches; Type wire wound-stainless
(d) PUMP: Type Turbine; Size 20 H.P.; Capacity 200 gallons per minute; Setting depth 219 feet steel
(e) POWER UNIT: Type _____; Size 20 H.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)

0.42

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. Discription 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.

Linda Hession
(Name)

465 Batson Road
(Address)

Petal, MS 39465
(City, State, Zip)

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, MS County of Forrest

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

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Carterville
Quad

GPS LOG

USER NAME(S): CA Horvack DATE: 6/29/94

UNIT DEQ #: 82555 FILE #: C062922B

HEALTH DEPT. #: 180013-01 ELEV. 265

USGS #: Z-135 E26 OLWR #: 2007

OWNER: Sunrise Util. Assn.

LOCATION: SW - SW - SE s 9 T 4N R 12w COUNTY: Foster

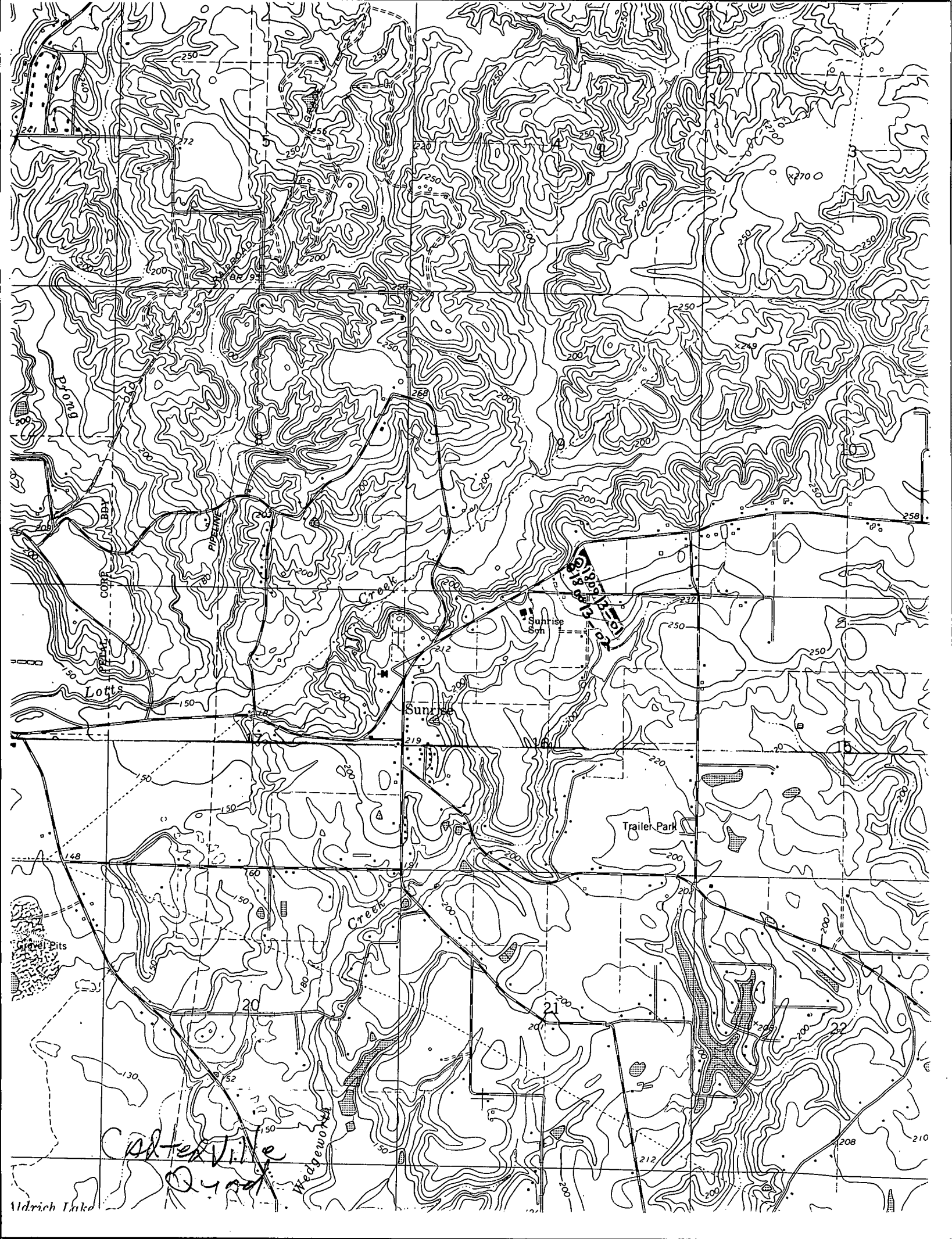
LOCATION DESCRIPTION: AT Elev Tank on Sunrise Rd 1/2 mi. NE
of Intersection of Sunrise Rd & Davis Rd.

CASING DIA: 8" (well is East of Tank)
PUMP TYPE & SIZE: Sub. Pump

GPS FIELD LOCATION: LAT. 31° 19.135 LONG. 89° 12.197

GPS CORRECTED LOCATION: LAT. 31 19 08.888 LONG. 89 12 12.555

REMARKS: GPS at well. 31.319136 89.203488



261
272

Pond
Lotts

Creek

Sunrise

148

Wedgewood

Aldrich Lake

Altitude
Quartz

Sunrise Rd

Trailer Park

270

250

250

250

250

200

200

200

208
210