GW5606 DOH # 140008-02 Jonestown

FORM 9-1642 (1-68) Well No. F9

Elog # 19

WELL SCHEDULE

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

PUNCHED

SEP 24 1973

NOV 20 1974

MASTER CARD

Record by WTO Source of data Owner Date 2/10/71 Map

State 28 County (or town) Coahoma 14

Latitude: 34 19 26 N Longitude: 090 27 58 Sequential number: 1

Lat-long accuracy: 0 T 28 S R 3 W Sec 1 NE NE ¼, SE ¼, SE ¼ B & M

Local well number: F009DD01 28N 03W Other number:

Local use: 064 24 Owner or name: 1

Owner or name: JONESTOWN Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist 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) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other P

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. W

DATA AVAILABLE: Well data . Freq. W/L meas.: Field aquifer char. T

Hyd. lab. data:

Qual. water data; type: USGS 8/73 C

Freq. sampling: Φ Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: Elog 4'-1116 DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: ft 1100 Meas. rept accuracy 3

Depth cased: (first perf.) ft 1040 Casing type: ; Diam. 8X6 in 8

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

Date Drilled: 972 Pump intake setting: ft

Driller: name , MEMPHIS 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 T Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 30 V Trans. or meter no.

Descrip. MP ft above below LSD, Alt. MP

Alt. LSD: 1171 Accuracy: (source) ±2 ft est 4

Water Level ft above below MP; Ft above below LSD +5 Accuracy: D

Date meas: 472 Yield: gpm 300 Method determined 4

Drawdown: ft 109 Accuracy: 0 Pumping period hrs 1

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct 370 K x 10^6 3 Temp. °F 235 Date sampled 8-23-73 875

Taste, color, etc. pH = 7.9

Well No.

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: _____ 03 (20–21) Section: _____

E (22) Drainage Basin: _____ 15F (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 F

MAJOR AQUIFER: _____ system, _____ series TE (28–29) _____ aquifer, formation, group MW (30–31)

Lithology: _____ 45 (32–33) Origin: _____ 2 (34) Aquifer Thickness: 80-160 ft

(35–37) Length of well open to: _____ ft 60 (38–40) Depth to top of: _____ ft 960 (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: _____

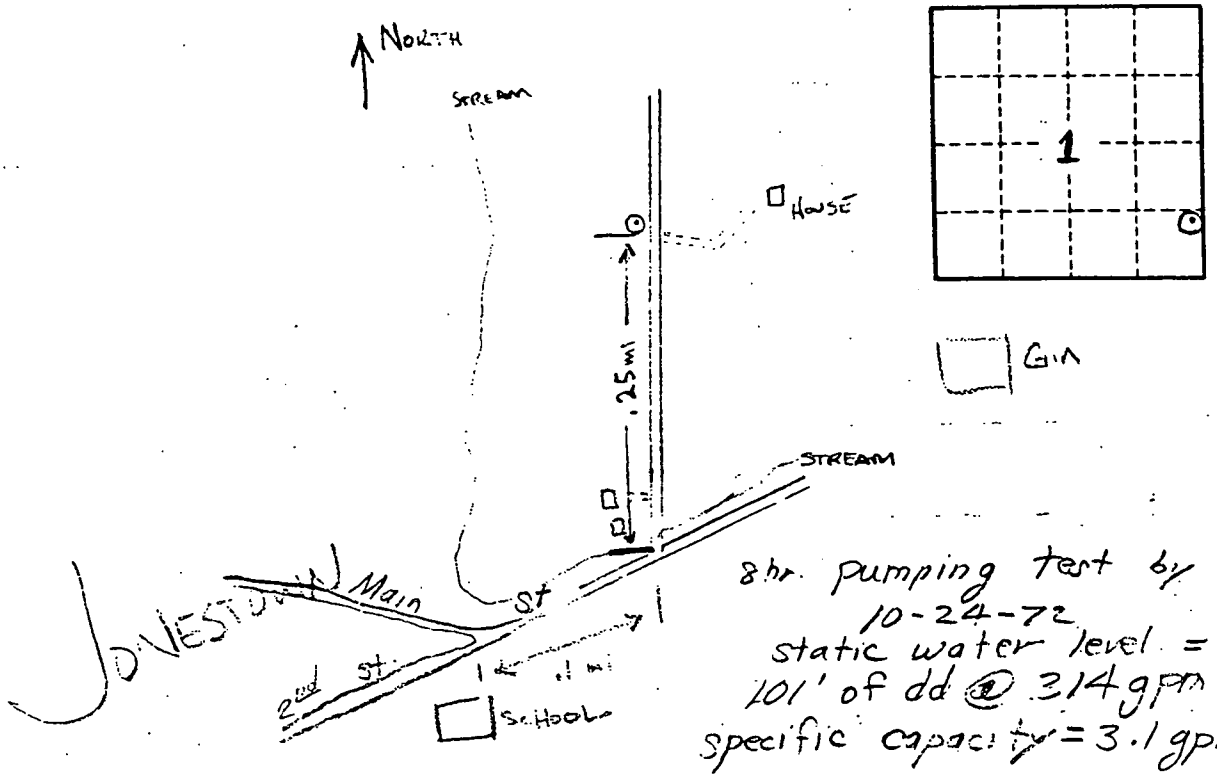
Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

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

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: max reliable gpd/ft 902 (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft²; Spec cap: 2.4 gpm/ft; Number of geologic cards: _____ (79)



8 hr. pumping test by driller
10-24-72
static water level = -8'
101' of dd @ 314 gpm
specific capacity = 3.1 gpm/ft. of dd

GPO 937-142

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

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. 1-13-98 AGN.

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

Issued: 10-27-87	Expires: 1-13-2008	Fee Paid: X	Permit No.
Lat. 34-19-26	Long. 90-27-02	Elev. 172	USGS No.
Quad. JONESTOWN	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: MUWX	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): **NEW PERMIT** **RENEWAL - PERMIT NO.** GW-5606

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

SURFACE WATER - COMPLETE A,C,D,E

RECEIVED
AUG 04 1997
Dept. of Environmental Quality
Office of Land & Water Resources

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: Town of Jonestown (Name) 0640575364 (SSN or Tax ID No.)

219 Main St. P.O. Box 110 (Address)

Jonestown (City) MS 38639 (State & Zip) (601) 358-4328 (Telephone No.)

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

MAP SENT

_____ (Name) _____ (SSN or Tax ID No.)

_____ (Address)

_____ (City) _____ (State & Zip) ( ) - _____ (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

NE 1/4 of the SE 1/4 of Section 1, Township 28N, Range 3W, County Coahoma

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:** Meridian Upper Wilcox **MISSISSIPPI DEPARTMENT OF HEALTH NO.:** _____
2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
   If well has already been drilled, when was well completed (date)? 04-03, 19 72. Under whose name was well originally drilled (if known)? Town of Jonestown
3. Description of proposed or completed well:
   (a) DEPTH OF WELL: 1105' feet. DRILLER: Singer-Layne Central
   (b) SURFACE CASING: Length 1035 feet; Diameter 8 inches; Type Steel
   (c) SCREEN: Length 60 feet; Diameter 6 inches; Type Stainless Steel
   (d) PUMP: Type _____; Size _____; Capacity 300- gallons per minute; Setting depth _____ feet
   (e) POWER UNIT: Type _____; Size _____ horsepower
4. **PERMITTED VOLUME:**
   (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
   (b) 0.10 million gallons per day at a maximum rate of 300 gallons per minute
   0.144 300

(CONTINUED ON BACK)

BB 10.24.97

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 Sorgum_____;
   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 1464 or (b) The number of connections is 324
   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.

Joan C. Brown
(Name)

P.O. Box 110
(Address)

Jonestown, MS 38639
(City, State, Zip)

601-358-4328
(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.

Joan C. Brown
(Signature)

Subscribed and sworn to before me this 31st day of July 1997, at Clarksdale County of Coahoma

My commission expires 2-1-98 Nathaniel Brooks Notary Public.

WILCOX DATA SHEET-VERIFICATION CHECKLIST

JONESTOWN
ELOG 19

COUNTY Coahoma

	CHECKED
WELL OWNER Town of Jonestown	
U.S.G.S. NO. F9	10/24/94
B.O.H. NO 140008-02	10/24/94
OLWR NO.	

LOCATION:

MAP NE,NE,SE,SE S1, T28N, R3W	10/24/94
GPS ✓ C0728 21A	10/24/94
ELEV. (MSL) 171	10/24/94
W.L. (L.S.) (1) 30 - 10.31 = 19.69 - 23.0 ≈ -17.39	10/24/94
(2) 31 - 11.31 = 19.69 - 2.30 = -17.39	10/24/94
HEAD (MSL) 171 - 17.39 = +153.61'	10/24/94
SCREENED INTERVAL 1,040' — 1,100' (LS) / -869' — -929' (MSL)	10/24/94
AQUIFER VERIFIED MERIDIAN-UPPER WILCOX	11/18/94
PREVIOUS W.L. -8' in 1972 (+5 in 4/72 ? doubtful) (10/72)	10/24/94
DATA ENTERED	

COAHOMA
F9
Elog# 19
GW 056006

Coahoma

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

1410

WATER WELL DRILLERS LOG

CODED

April 3 1972 — 19__ — Singer Layne Central Div[illegible] Coahoma
date well completed — firm name — county well located

LANDOWNER: Jonestown
Town of Jonestown
Jonestown, Mississippi
(mailing address)

WELL LOCATION:
sec. 1 T 28 N R 3 W

(distance) miles (direction) of (nearest town)

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

WELL COMPLETION DATA:

(1) diameter (inches) 8"

(2) total depth (feet) ~~1035'~~ 1105

(3) static water level (feet) 5' below above top of ground.

(4) casing steel (material), 1035' (depth), 8" (size) If telescope see back. 1035 60 1095

(5) screen 60' (length), 1040 (depth to top), 6" (size), stainless steel (material)

(6) pump 30 60 (HP), 300 (yield gpm)
electric (type power)

(7) electric log electric (yes or no)
USGS (organization running log)

(8) how well bottom plugged vale & shot

DRILLERS REMARKS:

description of formations encountered	from	to
Clay	0	10
Sand	10	70
Sand & Gravel	70	121
Gravel & Rocks	121	187
Rock	187	191
Sand	191	239
Sandy Shale	239	291
Sand	291	322
Sand	337	426
Sand & Shag mixed	426	517
Sand	517	619
Rock	619	621
Sandy Shale	621	627
Rock	627	629
Sandy Shale	629	631
Rocks & Sandy Shale	631	635
Hard Rock	635	637
Sandy Shale	637	639
Rock	639	643
Sandy Shale & Rocks	643	666
Sandy Sh[illegible]	666	767
Hard Sha[illegible]y Shale	767	837
Tough Clay	837	847
Hard Sandy Shale	847	906
Sandy Shale	906	918
Hard Shale	918	951
Sandy Shale	951	1008
Shale	1008	1015
Sand	1016	1045
Shale	1045	1050
Sand with shale	1050	1108

CODED

JUL 20 [illegible]

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Grantham DATE: 5-7-97

UNIT DEQ #: _____ FILE #: B0507178

HEALTH DEPT. #: 140008-02 ELEV. 172

USGS #: FQ OLWR #: MS-GW-5606

OWNER: Town of Jonestown

LOCATION: NE/NE/SE/SE S 10 T 28N R 3W COUNTY: Coahoma

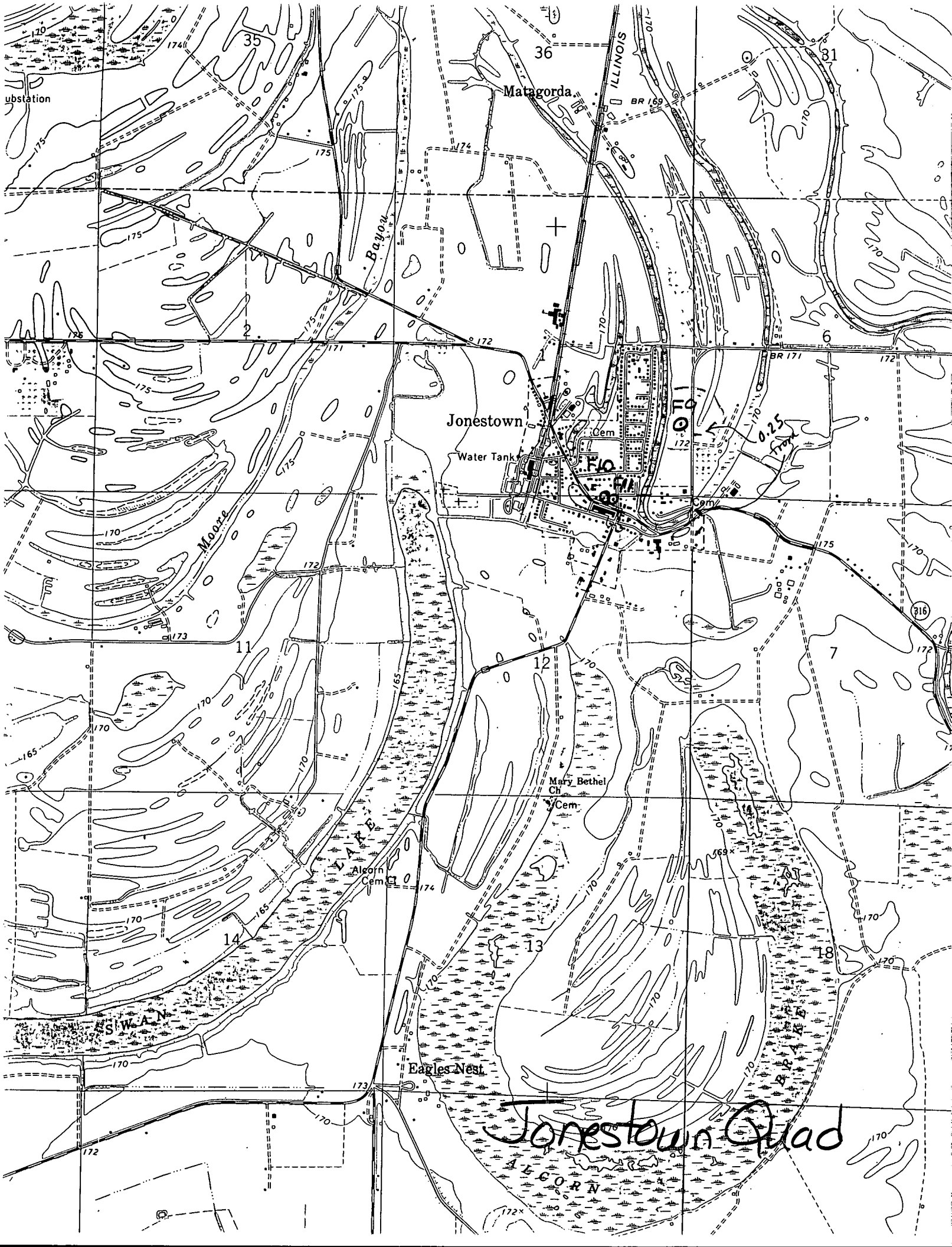
LOCATION DESCRIPTION: On Cold Water River Rd near New Wtr Tank

CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. 34 19 24.5 LONG. 90 27 02.3

GPS CORRECTED LOCATION: LAT. 34.323461 LONG. 90.45060109

REMARKS: Jonestown Quad.


Matagorda
ILLINOIS
BR 169
Bayou
Jonestown
Cem
Water Tank
BR 171
0.25
From
Moore
316
Mary Bethel Ch
Cem
LAKE
Alcorn Cem
SWAN
Eagles Nest
BRAKE
ALCORN
Jonestown Quad