GW 13854 DoH # 140033-01

FORM 9-1642
(1-68)

Well No. E61

WELL SCHEDULE

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

PUBLISHED and VERIFIED
ROLLA CONSTRUCTION BRANCH

NOV 20 1974

MASTER CARD EH Boswell

Record by J.A.C. Source of data Drillers log. Date 11/2/70 Map

State 28 County (or town) 14

Latitude: 340021 N Longitude: 0907411 Sequential number: 1

Lat-long accuracy: 3 T 28 S, R 4 W Sec 36, ¼, SW ¼, NW ¼ B & M

Local well number: E061 CB 3628 NJ04W Other number:

Local use: 064 Owner or name: Coahoma Junior

Owner or name: COAHOMA COUNTY Address: College and High Scho

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

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, (Ø) Other T

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Ø) 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.: Ø Field aquifer char.

Hyd. lab. data:

Qual. water data; type: 6/69 C

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

Aperture cards: yes

Log data: D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: ft 1853 Meas. rept accuracy 3

Depth cased; (first perf.) ft 1801 Casing type: ; Diam. 8X6 in 8

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

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: 965 Pump intake setting: ft

Driller: Layne Central Co name, Memphis Tenn. 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; nat LP H.P. 15 V Trans. or meter no.

Descrip. MP ft above below LSD, Alt. MP

Alt. LSD: 1777 Accuracy: (source) 1

Water Level ft above below MP; Ft above below LSD +10 Accuracy:

Date meas: 2-21-74 274 Yield: @ 55 gpm 260 Method determined

Drawdown: ft Accuracy: Pumping period hrs

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

Sp. Conduct 1330 K x 10^6 5 Temp. °F 76 Date sampled 6/6/9

Taste, color, etc.

Well No. E61

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Latitude-longitude ___ d m s N/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, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat ______ (27) [F]

MAJOR AQUIFER: ______ system, ______ series [TE] (28–29) ______ aquifer, formation, group [LW] (30–31)

Lithology: ______ [VS] (32–33) Origin: ______ [3] (34) Aquifer Thickness: ______ ft

[75] (35–37) Length of well open to: ______ ft [52] (38–40) Depth to top of: 1758 ft [A76] (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)

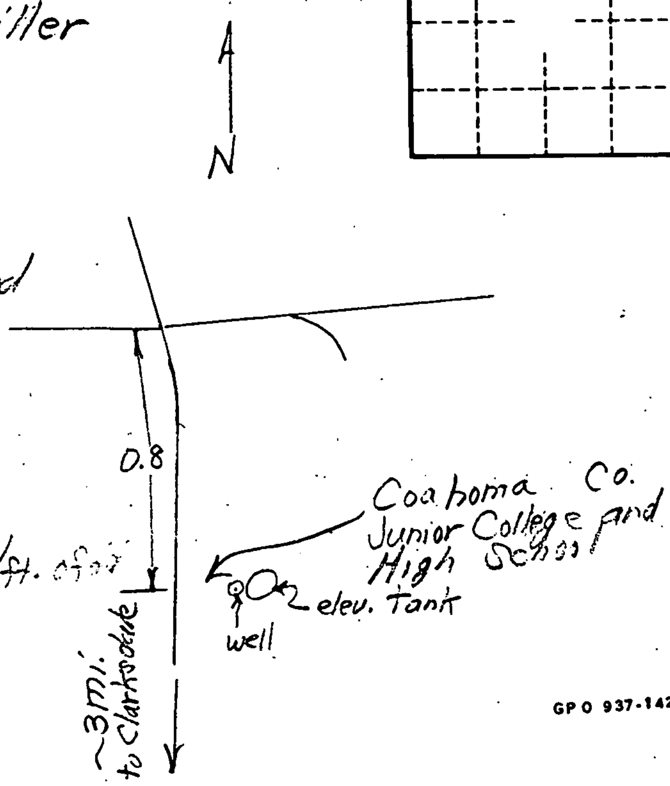
Coefficient Perm: ______ gpd/ft^2; Spec cap: ______ gpm/ft; Number of geologic cards: ______ [ ] (79)

Previous school name was Coahoma Co. Agricultural High School

water level by driller
10-1965
+16' above lsd
1,450 students

2-21-74 @ 0930
4.4 lbs. = +10.2' above lsd

pumping test by driller
10-22-65
static water level +16'
49'10" of dd at 260 gpm
specific capacity = 5.2 gpm/ft. [illegible]



Well No. E61

GPO 937-142

Coahoma #E61 10-65

Not Permitted

MISSISSIPPI BOARD OF WATER COMMISSIONERS

CODED

WATER WELL DRILLERS LOG

Date: 10-4-, 1965, Driller: Layne-Central Co. (Name) County Coahoma

(1) Owner of Land: Coahoma Jr. College (Name)

Clarksdale, Mississippi (Address)

(2) Location: ~~NW~~ NW ¼, ~~SW~~ NW ¼, Sec. ~~7~~ 36 T28N R4W

____ miles (distance) CODED (Nearest Town)

(3) Topography: ____ (Hilly) (Flat) (Level)

(4) Purpose of Well: College (Domestic Irrigation Municipal, Industrial, Other)

Information upon completion of well:

(1) Diameter 8 inches.

(2) Total Depth 1854 feet.

(3) Water Level 16' feet below top of ground. above ground

(4) Cased to 1801', Size 8",

(5) Screen: Size 6", Length 52' 4".
2

(6) Were any formations sealed against pollution?

x yes, ____ no.

If YES depth of formation 1801',

Why required

Drillers Remarks: 130 ... @ 260 8 hr.
... Turbine. 15 hp
8" (6 Stage)
1768 Gravel Walled
TD 1854

Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thickness Feet	Depth Feet
sandy clay	15	0
coarse sand	60	15
sand-gravel	142	60
clay	224	142
sandy shale	302	224
mid. sand	390	302
coarse sand	431	390
fine sand-lignite	512	431
sand-shale	604	512
sand	632	604
shale	687	632
sand	703	687
shale	727	703
rock	728	727
shale	734	728
rock	735	734
shale	745	735
rock	746	745
shale	768	746
rock	[illegible]	768
shale	823	769
rock	824	823
gumbo	847	824
rock	848	847
gumbo	851	848
hard rock	852	851
gumbo	857	852
hard rock	858	857
gumbo	902	858
rock	903	902
hard gumbo	920	903

continued on back

(Use Back Side)

Well No.

CODED

RECEIVED ... 1966

Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson. Miss.

sandy shale	1001	920
sand	1013	1001
break	1015	1013
sand	1033	1015
shale	1049	1033
sand	1080	1049
sandy shale	1130	1080
sand	1181	1130
shale	1194	1181
sand	1221	1194
shale	1256	1221
fine sand	1271	1256
shale	1310	1271
sand	1322	1310
shale	1340	1322
rock	1341	1340
shale	1393	1341
sand	1430	1393
shale	1485	1430
sandy shale	1509	1485
shale	1585	1509
sandy shale	1614	1585
rock	1615	1614
shale	1640	1615
rock	1641	1640
shale	1683	1641
rock	1684	1683
shale	1773	1684
sand	1786	1773
shale	1789	1786
rock	1791	1789
sand	1863	1791
rock	1854	1853

E061

FORM BLW-AP-1
(rev. 10/88)
The box below is for office use only.

Issued: 2-11-92 Expires: 2-11-2002	Fee Paid	X	Permit No. GW-13854
Lat. 34 15 23 Long. 90 34 05 Elev. 195			USGS No.
Quad. COAHOMA Dist.			Basin No. 08030207
STAC			Dam Inv. No.
			Dam appl. No.

Dept. of Natural Resources, Bureau of Land and Water Resources, P.O. Box 10631, Jackson, MS 39289-0631

RECEIVED
OCT 14 1991
Dept. of Environmental Quality
Bureau of Land & Water Resources

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

LWM

This application is for (circle one): (GROUNDWATER) SURFACE WATER

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal Rural Water Association Industrial
Recreation (Institutional) (Examples: Church, School) Commercial (Examples: Hotel, Restaurant) Livestock Standby
Fire Protection Flood Protection Other: _____

LANDOWNER:

Coahoma (Junior) Community College (Name) 64-0437624 (S/S or Tax ID No.)

Route 1, Box 616 (Address)

Clarksdale (City) MS 38614 (State and Zip) (601) 627-2571 (Telephone Number)

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

Coahoma Community College (Name) 64-0437624 (S/S or Tax ID No.)

Route 1, Box 616 (Address)

Clarksdale (City) MS 38614 (State and Zip) (601) 627-2571 (Telephone Number)

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

SW ~~NW~~ 1/4 of the NW 1/4 of Section 36, Township 28N, Range 4W, County Coahoma

Volume of water diverted/withdrawn (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]):

(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute

(b) 0.120 million gallons per day at a maximum rate of 200 gallons per minute

(c) _____ acre feet of storage at normal pool

(d) _____ per _____ at a maximum rate of _____

Construction of proposed work will begin on (date) _____, 19____ and will be completed by (date) _____, 19____.

Water will be used from (month) July 1 to (month) June 30 each year.

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 numbers.

_____

SECTION A (to be completed if application is for surface water source)

WLCXL

1. Source of water is from _____ which drains into _____ which drains into _____ which drains into _____

2. Description of pump/diversion works:
   (a) Pump (size and type): _____ Power Unit (size and type): _____
   Lift: _____ feet Maximum capacity: _____ gallons per minute.
   (b) Name of storage reservoir: _____ Dam height: _____ feet.
   Surface area at normal pool: _____ acres. Storage capacity at normal pool: _____ acre-feet.

(Continued on back)

SECTION B (to be completed if application is for groundwater source)

1. Source of water is Lower Wilcox aquifer.
2. Description of proposed water well:
   (a) DEPTH OF WELL: 1854 feet. DRILLER (name): Layne-Central Company.
   (b) SURFACE CASING: Length: 1801 feet. Diameter: 8 inches. Type: 0.277" Steel, Grouted-in-place
   (c) SCREEN: Length: 52'4" feet. Diameter: 6" inches. Type: Stainless Steel, Keystone
   (d) PUMP: Type: Turbine. Size: 15hp. Capacity: 200 gallons per minute.
   Number of stages: 6 Setting depth: 100 feet.
   (e) POWER UNIT: Type: Electric Motor. Size: 15 horsepower.
   (f) TYPE OF COMPLETION: Gravel Wall.

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

TOWN-SHIP	RANGE	SEC-TION	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

1. **IRRIGATION:** List the number of acres of each crop to be irrigated: Rice ; Cotton ; Soybeans ;
   Corn ; Pasture ; Truck ; Wheat ; Oats ; Grain sorghum ;
   Other (specify) Acres
2. **FISH CULTURE:** Explain how water will be used:
   How often will reservoir(s) be emptied and refilled?
3. **MUNICIPAL** or **WATER ASSOCIATION**
   Choose "a" or "b". (a) The number of people served is 2400. (b) The number of connections/customers is .
   What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years? (Volume) (Year); (Volume) (Year); (Volume) (Year); (Volume) (Year)
4. **INDUSTRIAL:** If water is to be released into a watercourse, indicate the amount released each year ;
   Rate of release ; Location of release point in reference to diversion/withdrawal point ;
   Explain any change in quality of water to be released:
   NPDES Permit No. .
   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:

REMARKS:

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

S. T. Bailey
(Name)
Route 1, Box 616
(Address)
Clarksdale, MS 38614
(City, State, Zip)
601 627-2571
(Telephone)

The accompanying map is hereby declared a part of this application.
The **TEN DOLLAR ($10.00) permit fee** is enclosed herewith.

S. T. Bailey
(Signature)

Subscribed and sworn to before me this 18th day of Oct. 19 91, at Clarksdale, Ms.
County of Coahoma. My commission expires My Commission Expires November 26, 1992

Irene H. Gainey, Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

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

UNIT DEQ #: _____ FILE #: BOS0717D

HEALTH DEPT. #: 140033-01 ELEV. _____

USGS #: E-61 OLWR #: MS-GW-13854

OWNER: Coahoma Jr College

LOCATION: NW, SW, SE S 36 T 28N R 04W COUNTY: Coahoma

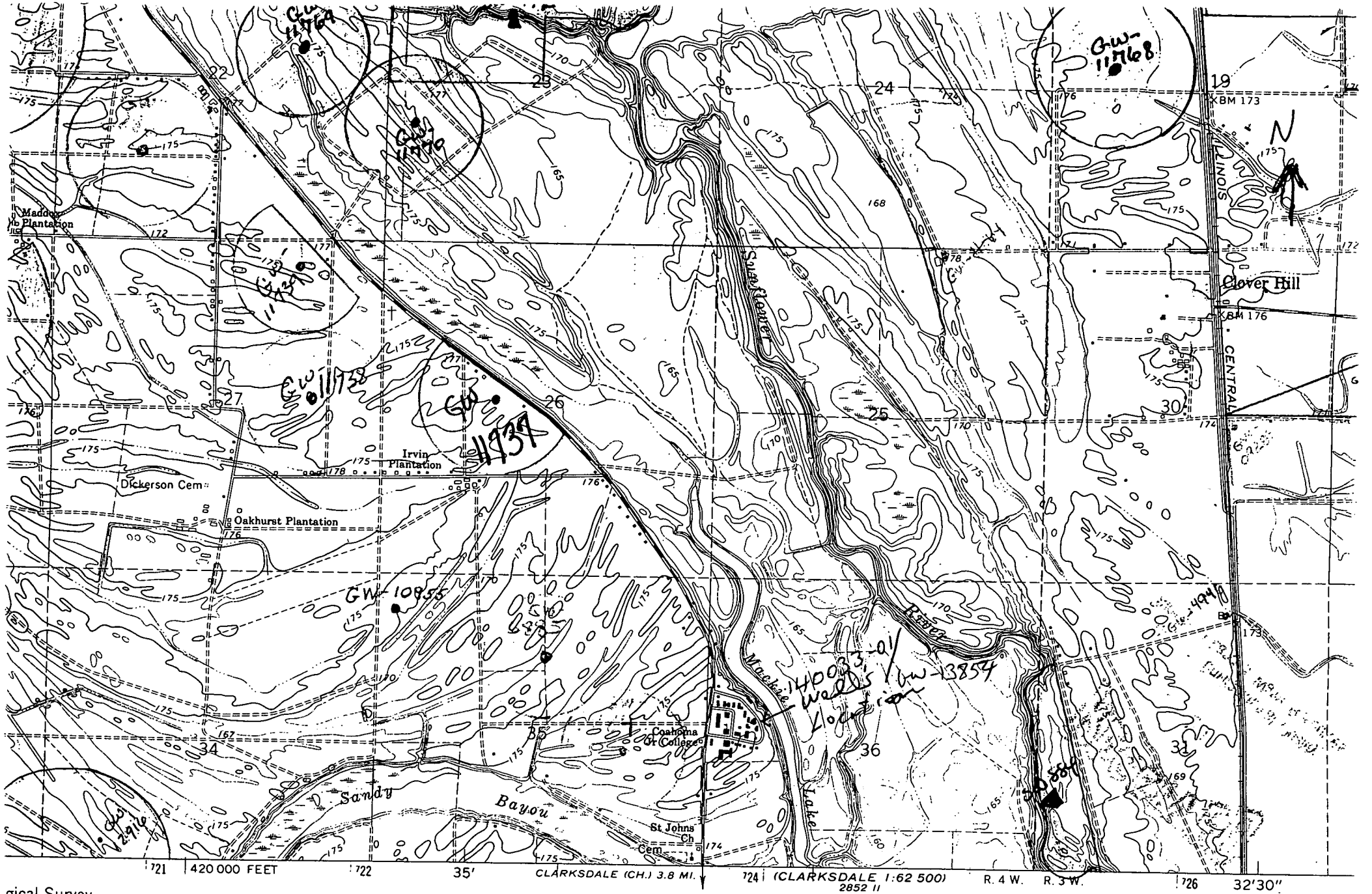
LOCATION DESCRIPTION: Sunflower Lane at Rear of College

CASING DIA: _____ PUMP TYPE & SIZE: Turb

GPS FIELD LOCATION: LAT. 34 15 22.8 LONG. 90 34 05.6

GPS CORRECTED LOCATION: LAT. 34.256329 LONG. 90.56823034

REMARKS: Coahoma Quad.



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rial
964
n
system, west zone
:ks,

COAHOMA QUAD

GW-13854