

Coded By 0493
Checked By 92225-23
Entered By 29
Date 12-93

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 72
County GEORGE
Agency

Well No. B46
355A

WELL RECORD

Agency Code U S G S	Site Id 143105165508181318132011	Project No. 5
Station Name 12 B046 BEXLEY W A	Latitude 9 31051655	Longitude 10 01813181321
Lat/Long Ac. 11 S F T M	Dist 6-28	State 7-28
County 8 0391	Land Net 13 S Z H T O I S R O I W	
Location Map 14 W G R I L L	Altitude 16 2510	Met/Meas 17 A L M
	Accuracy 18 1 1 a	Hydrologic Unit 20 0 3 1 7 0 1 0 6

Agency Use 803 A I C	Date Inventoried 7 1 1	Station Type 4 Y	Data Type 804
Instru. 905	Remarks 806	Relia. 3 C L M U	2 W X

Date of Construction 21 03 / 09 / 1993	Well Use 23 W	Water Use 24 P	Primary Aquifer 714 Z Z H B R G	Hole Depth 27 5198
Well Depth 28 585	Water Level 30 109	Water Level Date 31 03 / 09 / 1993	Method 34	Status 37
			Source 33 D	

CONSTRUCTION DATA

R=58	T=A	723#1	Construction Date 60 03 / 09 / 1993	Contractor 63 0164	Name LAYNE	Method 65 H	Finish 66 G
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CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	Top/Casing 77 110	Bot/Casing 78 518	Diameter 79 8
R=76	T=A	725#2	59#1	Top/Casing 77 1452	Bot/Casing 78 525	Diameter 79 11

CONSTRUCTION OPENINGS DATA

R=82	T=A	726#1	59#1	Top/Depth 83 1525	Bot/Depth 84 1595	Diameter 87 4	Type 85 S	Length 89	Width 88 0210
R=82	T=A	726#2	59#1	Top/Depth 83	Bot/Depth 84	Diameter 87	Type 85	Length 89	Width 88

CONSTRUCTION LIFT DATA

R=42	T=A	254#1	Lift Type 43 S	Date 38 03 / 09 / 1993	Intake 44 1239
Power 45 EL	H.P. 46 301	Serial No. 49			

MISCELLANEOUS OWNER DATA

R=158	T=A	718#1	159 03 / 09 / 1993	Owner Name 161 BEXLEY
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MISCELLANEOUS OTHER ID DATA

R=189	T=A	736#1	E-Log No. 190 0712	Assigner 191 M I S S I D I S T
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Well #3

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934 / / *	Aquifer Sampled 195#	Temp 196#00010	Value 197#
R=192	T=A	738#2	Date of Measurement 1934 / / *	Aquifer Sampled 195#	Sp Cond 196#00095	Value 197#
R=192	T=A	738#3	Date of Measurement 1934 / / *	Aquifer Sampled 195#	pH 196#00400	Value 197#

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199# D *	Req. Depth 200# 10 *	End Depth 201# 598 *
R=198	T=A	739#1	Log Type 199# F *	Req. Depth 200# 15 *	End Depth 201# 157 31 *

MISCELLANEOUS NETWORK DATA *706 = QW WL WD **

R=114	T=A	730#1	Beg. Year 115# 9 *	End Year 116# 9 *	Agency Source 120=A 117# *	Freq. 118# *
R=121	T=A	730#2	Beg. Year 115# 9 *	End Year 116# 9 *	Agency Source 117# *	Freq. 118# *

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184# 03 / 09 / 11993 *	Remarks 185# MS GW 1' 02003 *
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148# 03 / 09 / 11993 *	Type 703# P	Discharge 150# 304 *	So. Capacity 272# *
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91# 520 *	Depth Bot. 92# 1595 *	Unit Id 93# 1212HBRC	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100# *	103# *
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L2'dd ← 302 gpm ← (8 hrs.)

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Sand & Clay	0'	20'	Clay & Sand	347'	505'
Blue Clay	20'	44'	SAND	505'	525'
Red Sand & Clay	44'	110'	Clay	525'	598'
Clay & Sand Strk.	110'	165'			
SAND	165'	185'			
ROCK	185'	186'			
Shale & Sand Strk.	186'	265'			
SAND	265'	275'			
Shale	275'	290'			
Shale & Sand	290'	307'			
SAND	307'	347'			

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Bureau of Land and Water Resources

P. O. Box 10631
Jackson, MS 39289-0631
WATER WELL DRILLERS LOG

COUNTY WELL LOCATED George	WELL NUMBER 2	CODED BH6	PERMIT NUMBER MS 02003
(Replacement)		NAME OF DRILLING FIRM Layne-Central Co, A Div. of	
DATE WELL COMPLETED 03/09/93		Layne, Inc.	

NAME & MAILING ADDRESS OF LANDOWNER
Bexley Utilities, Inc.
Rt. 9, Box 458
Lucedale, MS. 39452

WELL LOCATION: SEC TOWNSHIP RANGE
S.E. CORN. 4 **24** **1** **S** **7** **W**
NE 1/4 9 SE 1/4

DISTANCE DIRECTION NEAREST TOWN
.7 Miles **East** of **Bexley**

OTHER LANDMARK
WATER TANK

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.
Municipal

PUMP DATA

PUMP TYPE (Circle One):
 Submersible Turbine Jet Flowing Well,
Other (Describe) _____

POWER TYPE (Circle One):
 Electric Tractor Diesel Gasoline Butane,
Other (Describe) _____ H/P **30**

Pump Capacity (GPM) No. of Stages Setting Depth
300 **5** **239** FT.

PUMP TEST
Well yielded **302** GPM with
a drawdown of **62** ft.
after **8** hours of pumping

WELL DATA

Well Depth 588'	Casing Diameter (In.) 8"	Casing Length (Ft.) 518'
Type of Casing STEEL	Hole Depth 598'	Depth to Static Water Level 109'

TYPE OF COMPLETION (Circle One or More):
 Gravel Packed, Underreamed Telescoped,
 Natural Development, Open Hole, Other _____

Top of Lap Pipe or Reduction in Casing
FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

LOG DATA

TYPE OF LOG RUN (Circle One):
 Electric Gamma Ray Density, Sonic, Neutron,
Other (Describe) _____

Name of Organization Running Log
Layne-Central Co.

SCREEN DATA

Diameter - Inches 4"	Length - Feet 60'	Slot Size - Inches .020
Screen Type S/S	Depth to Bottom - Feet 3'	

GEOLOGIC DATA (Office Use Only)

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test

Driller's Remarks
588' / 505' / 585' / 5

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
SAND + Clay	0'	20'	Clay + SAND	347'	505'
Blue Clay	20'	44'	SAND	505'	585'
RED SAND + Clay	44'	110'	Clay	585'	598'
Clay + SAND STRKS.	110'	165'			
SAND	165'	185'			
ROCK	185'	186'			
SHALE + SAND STRKS.	186'	265'			
SAND	265'	275'			
Shale	275'	290'			
SHALE + SAND	290'	307'			
SAND	307'	347'			

RECEIVED
SEP 24 1993

IF MORE SPACE IS NEEDED, USE BACK

Mississippi Department of Environmental Quality
Office of Land & Water Resources

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



SEP 27 1995

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
 P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5302

This box is for office use only. ~~1-28-97~~ AGN, 2-11-97 FORM OF PERMIT

Issued: <u>3-25-86</u>	Expires: 3-25-2004	Fee Paid: <u>X</u>	Permit No. <u>GW-15152</u>
Lat. <u>30 56 38</u>	Long. <u>88 37 55</u>	Elev. <u>185</u>	USGS No.
Quad. <u>MERRILL</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>MOCN</u>	Tract No.		Basin No. <u>03170006</u>
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): RENEWAL - PERMIT NO. MS-GW-02004*
 *See remarks on back.

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: Bexley Utilities, Inc. 64-0443942
 (Name) (SSN or Tax ID No.)
2250 Hwy 98 West (Rt. 9, Box 458) P.O. Box 176
 (Address)
Lucedale, MS 39452 (601) 947 - 2865
 (City) (State & Zip) (Telephone No.)

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

MAP sent

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 24, Township 1S, Range 7W, 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. Well No. 1 @ 300 GPM, MS-GW-02003

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: _____ MISSISSIPPI DEPARTMENT OF HEALTH NO.: 2003-2
 2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
 If well has already been drilled, when was well completed (date)? 3-19, 1993. Under whose name was well originally drilled (if known)? Bexley Utilities, Inc.
 3. Description of proposed or completed well:
 (a) DEPTH OF WELL: 588 feet. DRILLER: Layne Central Division
 (b) SURFACE CASING: Length 518 feet; Diameter 8 inches; Type Black Steel Pipe (.322)
 (c) SCREEN: Length 60 feet; Diameter 4 inches; Type SS-.030
 (d) PUMP: Type Submerged; Size _____; Capacity 300 gallons per minute; Setting depth 239 feet
 (e) POWER UNIT: Type Franklin 460 V; Size 30 horsepower
 4. PERMITTED VOLUME:
 (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
 (b) 0.020 0.09 million gallons per day at a maximum rate of 320 300 gallons per minute

(CONTINUED ON BACK)

A-070

320

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 400 residences
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:** This Renewal Application is made for the replacement well. The original well (drilled in 1972) under this permit number was abandoned due to casing failure, and this replacement well was developed in March, 1993.

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

Bob Diamond, P.E.
(Name)
P. O. Box 205
(Address)
Lucedale, MS 39452
(City, State, Zip)
601/947-8619
(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.

Bob Diamond
(Signature)

Subscribed and sworn to before me this 11th day of September 1995, at George County of Mississippi
My commission expires 1-25-97; Peggy J. Pittman Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hornbeck DATE: 7/25/96

UNIT DEQ #: 82859 FILE #: B072601B

HEALTH DEPT. #: 20003-03 ELEV. 190

USGS #: B-46 OLWR #: GW-15152

OWNER: Bexley W/A Lucedale QUAD: Mottill

LOCATION: SE-NE-SE S 24 T 15 R 7W COUNTY: George

LOCATION DESCRIPTION: ON South Side of ^{old} Hwy 98 2.7 mi NW.

CASING DIA: 6" of Intersection with Hwy 26 + 635. (Lucedale)
(.60 mi SE of Elev. Tank.) PUMP TYPE & SIZE: Submersible

GPS FIELD LOCATION: LAT. 30° 56' 39.1" LONG. 88° 37' 55.5"

GPS CORRECTED LOCATION: LAT. 30.94416455 LONG. 88.63209166

REMARKS: Gps at Well.

well is 20' south of old well #1.

on old Hwy 98: 1.85 mi. SE of Intersection
with new Hwy 98 W (west of Lucedale.)

082
3

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

Merrill Quad

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

UNIT DEQ #: 82859 FILE #: D080322A

HEALTH DEPT. #: 200003-01 ELEV. 190

USGS #: C-9000 OLWR #: _____

OWNER: Bexley Water Associa Lucedale

LOCATION: N/E - SE S 24 T 15 R 6W COUNTY: George

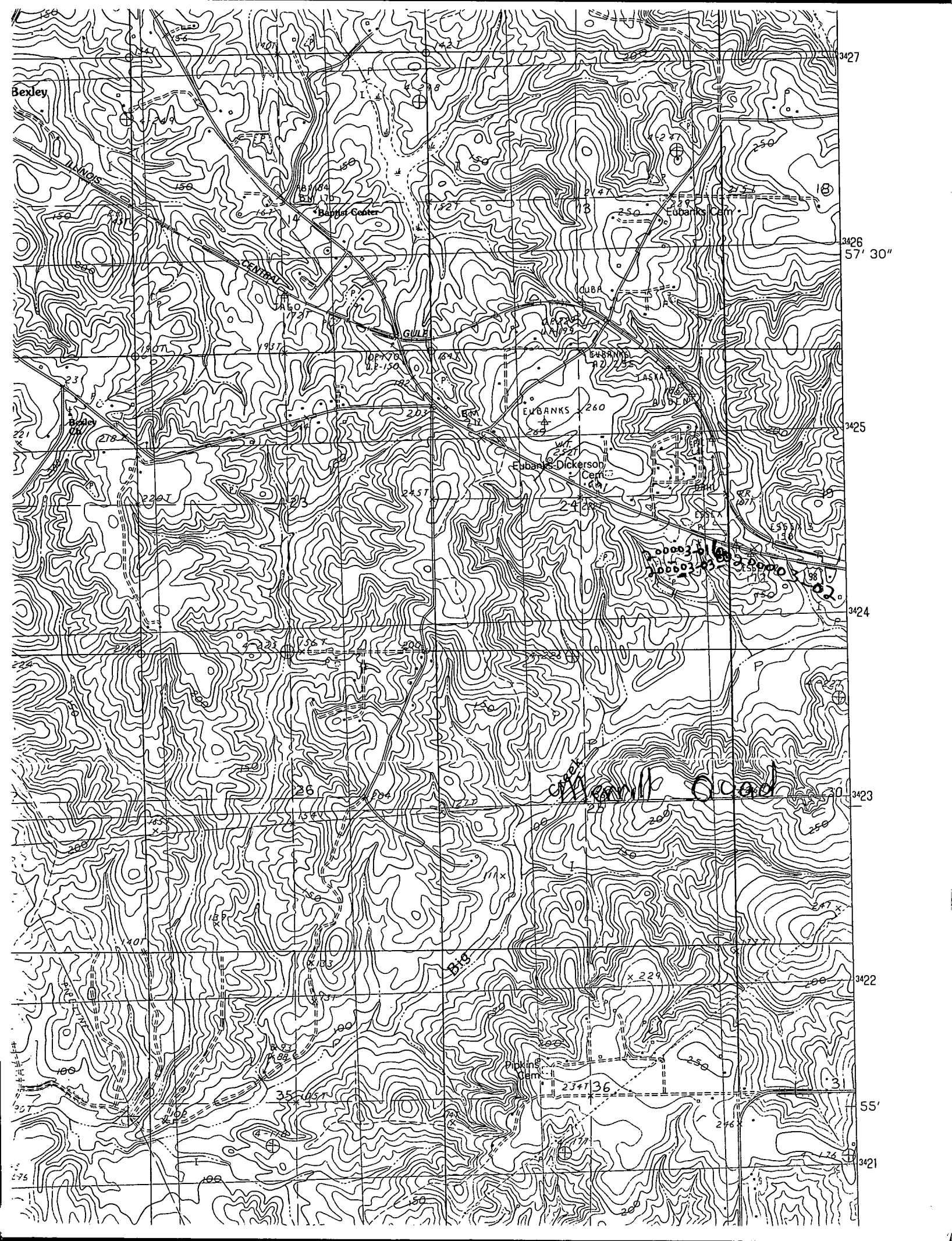
LOCATION DESCRIPTION: Well is at old House 200ft south of Old Hwy 98
and .6 mi S/E of Bexley Elevated tank

CASING DIA: _____ PUMP TYPE & SIZE: 54b

GPS FIELD LOCATION: LAT. 30° 56.646 LONG. 88° 37.930

GPS CORRECTED LOCATION: LAT. 30 56 ^{39.093} LONG. 88 37 55.511

REMARKS: Old well which has been concreted in
is located 20ft north of present new well
outside fence.



Bexley

Eubanks Center

Eubanks Center

EUBANKS

Eubanks Dickerson Center

Merrill Road

B18

3427

3426
57' 30"

3425

3424

3423

3422

55'

3421