

Coded By 8195
 Checked By 1049-0775-98
 Entered By 29249
 Date 7/98

U.S. GEOLOGICAL SURVEY
 WATER RESOURCES DIVISION
 MISSISSIPPI DISTRICT

E-Log No. 190
 County Lamar
 Agency

Well No. E233
 312 C

WELL RECORD

Agency Code U S I G I S Site Id 123111181501018192131519011 Project No. 5111111111111111

Station Name 12 E23331 ARNOLD LINE Latitude 9 3111181501 Longitude 10 01819213519

Lat/Long Ac. 11 S 1 W Disc 6-28 State 7-28 County NE SE for Land Net 13 NE NE 1/4 S 1/4 T 104 N R 114 W 2 S

Location Map 14 HATTIESBURG 15 W Altitude 363 Met/Meas Accuracy 17 A L Hydrologic Unit 20 0131176104

Agency Use 803 A Date Invented 711 Station Type 4 Data Type 804

Instru. 805 Remarks 806 Relia. 3 C L M U 2 X

Date of Construction 21 04/20/1995 Well Use 23 W Water Use 24 A Primary Aquifer 714 Z Z C T H L Hole Depth 27 1415

Well Depth 28 1160 Water Level 30 231 Water Level Date 31 06/07/1995 Method 34 Status 37 Source 33 D

CONSTRUCTION DATA

Construction Date 60 06/07/1995 Contractor 63 0164 Name Layne Method 65 H Finish 66 B

CONSTRUCTION CASING DATA

Top/Casing 77 119 Bot/Casing 78 1120 Diameter 79 12

Top/Casing 77 1042 Bot/Casing 78 1125 Diameter 79 18

CONSTRUCTION OPENINGS DATA

Top/Depth 83 125 Bot/Depth 84 1160 Diameter 87 18 Type 85 S Length 89 Width 88 1925

Top/Depth 83 Bot/Depth 84 Diameter 87 Type 85 Length 89 Width 88

CONSTRUCTION LIFT DATA

Power 45 E H.P. 46 100 Serial No. 49 Lift Type 43 T Date 38 06/07/1995 Intake 44 3610

Power 45 E H.P. 46 100 Serial No. 49

MISCELLANEOUS OWNER DATA

Date of Ownership 159 06/07/1995 Owner Name 161 ARNOLD LINE

MISCELLANEOUS OTHER ID DATA

E-Log No. 190 190 Assigner 191 M I S S I S S I D I S I T

MISCELLANEOUS QM 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# / / / / / / / /	So 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 Tve 199#E	Sec. Depth 200# / / / / / / / /	End Depth 201# / / 14 / 15 / /
R=198	T=A	739#1	Log Tve 199#D	Sec. Depth 200# / / / / / / / /	End Depth 201# / / 14 / 14 / /

MISCELLANEOUS NETWORK DATA *706 = Qw, WL, WD **

R=114	T=A	730#1	Sec. Year 115# / / 9 / / / /	End Year 116# / / 9 / / / /	Agency Source 120=A* 117# / / / / / /	Freq. 118# / /
R=121	T=A	730#2	Sec. 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# 06 / 07 / 11 / 9 / 95	Remarks 185# - MSGW - 14770
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148# 06 / 07 / 11 / 9 / 95	Tve 703# P	Discharge 150# / 5 / 13 / /	So. Capacity 272# / 15 / 18 / /
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91# / / 25 / / / /	Depth Bot. 92# / / 165 / / / /	Unit Id 93# / / 22C / 114 / /	304#
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100# / / / / / / / /	103# / /
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Sandy Run Rd at Ball Field

Color = 5

pH = 8.1

Fe = .14

Mn = .05

87.5' d d @ 513 gpm (24 hrs)

Richard Allen

268-9129

261-7111

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Sand & Gravel	0	10	Sand & Hard Clay Strks	780	890
Sand	10	40	Sand	890	910
Yellow Clay	40	130	Clay & Sand Streaks	910	1003
Blue Shale	130	150	Clay & Lime Streaks	1003	1165
Blue Clay	150	200	Hard Clay & Sand Strks	1165	1240
Shale	200	320	Rock	1240	1242
Sand & Pea Gravel	320	450	Hard Clay & Rock Strks	1242	1300
Sand, Gravel & Clay	450	585	Clay	1300	1340
Sand & Clay Streaks	585	700	Clay & Sand Streaks	1340	1390
Clay	700	753	Hard Lime	1390	1414

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Land and Water Resources

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

COUNTY WELL LOCATED Lamar	
WELL NUMBER 1 E 233	CODED <input checked="" type="checkbox"/>
PERMIT NUMBER MSGW-14770	
NAME OF DRILLING FIRM Layne Central	
DATE WELL COMPLETED 6/7/95	
Jackson, MS	

NAME & MAILING ADDRESS OF LANDOWNER Arnold Line Water Assoc.			
305 West Ray Drive			
Hattiesburg, MS			
WELL LOCATION NE/NE	SEC 16	TOWNSHIP 4 N	RANGE 14 E
DISTANCE	DIRECTION	NEAREST TOWN	
Miles _____ of _____			
OTHER LANDMARK Off Hwy 98 on Sandy Run Road at Ball Field			
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc Rural Water Association			

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 100		
Pump Capacity (GPM) 500	No. of Stages 11	Setting Depth 360 FT.
PUMP TEST		
Well yielded 513 GPM with a drawdown of 87.5 ft. after 24 hours of pumping		

WELL DATA		
Well Depth 1166'	Casing Diameter (in.) 12"	Casing Length (Ft.) 1120'
Type of Casing Welded Steel	Hole Depth 1166'	Depth to Static Water Level 231'
TYPE OF COMPLETION (Circle One or More): Gravel Packed , Underreamed , Telescoped, Natural Development, Open Hole, Other (Describe) _____		
WELL GROUTED TO A DEPTH OF 1042 FEET Type Grout (circle one) Cement , Bentonite, or Mix		

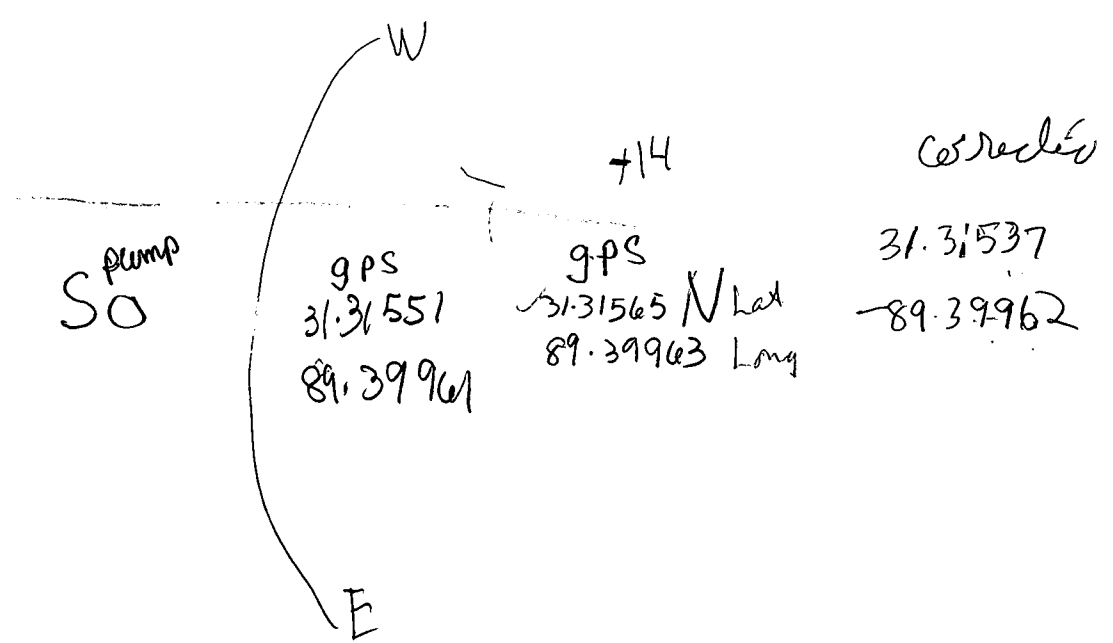
LOG DATA	
TYPE OF LOG RUN (Circle One): Electric , Gamma Ray , Density, Sonic, Neutron, Other (Describe) _____	
Name of Organization Running Log Layne Central	

SCREEN DATA		
Diameter - Inches 8"	Length - Feet 35'	Slot Size - Inches .025
Screen Type Stainless Steel	Depth to Bottom - Feet 1166'	

GEOLOGIC DATA (Office Use Only)			
Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test
Driller's Remarks			
Top of Lap Pipe or Reduction in Casing 1042' FEET			
IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Sand & Gravel	0	10	Sand & Hard Clay Strks	780	890
Sand	10	40	Sand	890	910
Yellow Clay	40	130	Clay & Sand Streaks	910	1003
Blue Shale	130	150	Clay & Lime Streaks	1003	1165
Blue Clay	150	200	Hard Clay & Sand Strks	1165	1240
Shale	200	320	Rock	1240	1242
Sand & Pea Gravel	320	450	Hard Clay & Rock Strks	1242	1300
Sand, Gravel & Clay	450	585	Clay	1300	1340
Sand & Clay Streaks	585	700	Clay & Sand Streaks	1340	1390
Clay	700	753	Hard Lime	1390	1414
Sand & Clay Streaks	753	780			

IF MORE SPACE IS NEEDED USE BACK



pump
SO

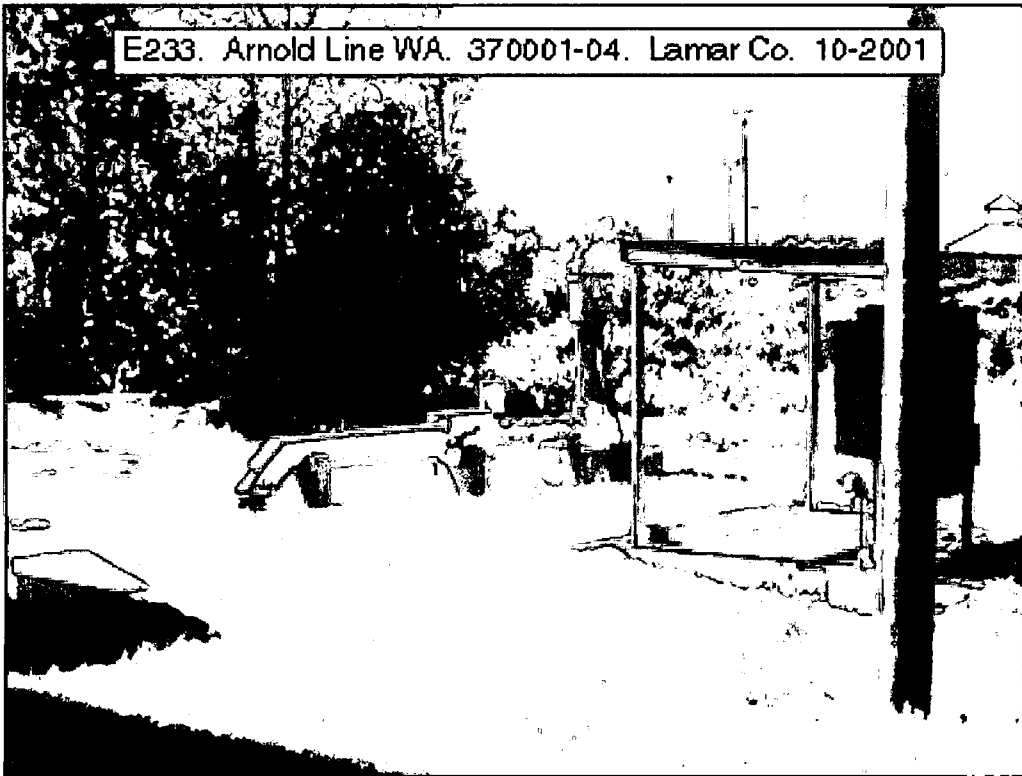
gps
31.31551
89.39961

gps
31.31565 N Lat
89.39963 Long

+14

corrected
31.31537
-89.39962

E233. Arnold Line WA. 370001-04. Lamar Co. 10-2001



DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR-
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME (S): ^{Bergeron/Cobb} ~~Arnold Line W.A.~~ DATE: 10/16/2001

UNIT DEQ #: _____ FILE #: _____

HEALTH DEPT. #: 370001-04 ELEVATION: 363

USGS #: E233 OLWR #: MS 14770

OWNER: Arnold Line W.A. QUAD: Hattiesburg SW

LOCATION: ^{NE} NE/NE S 16 T 4 NR 14W COUNTY Lamar

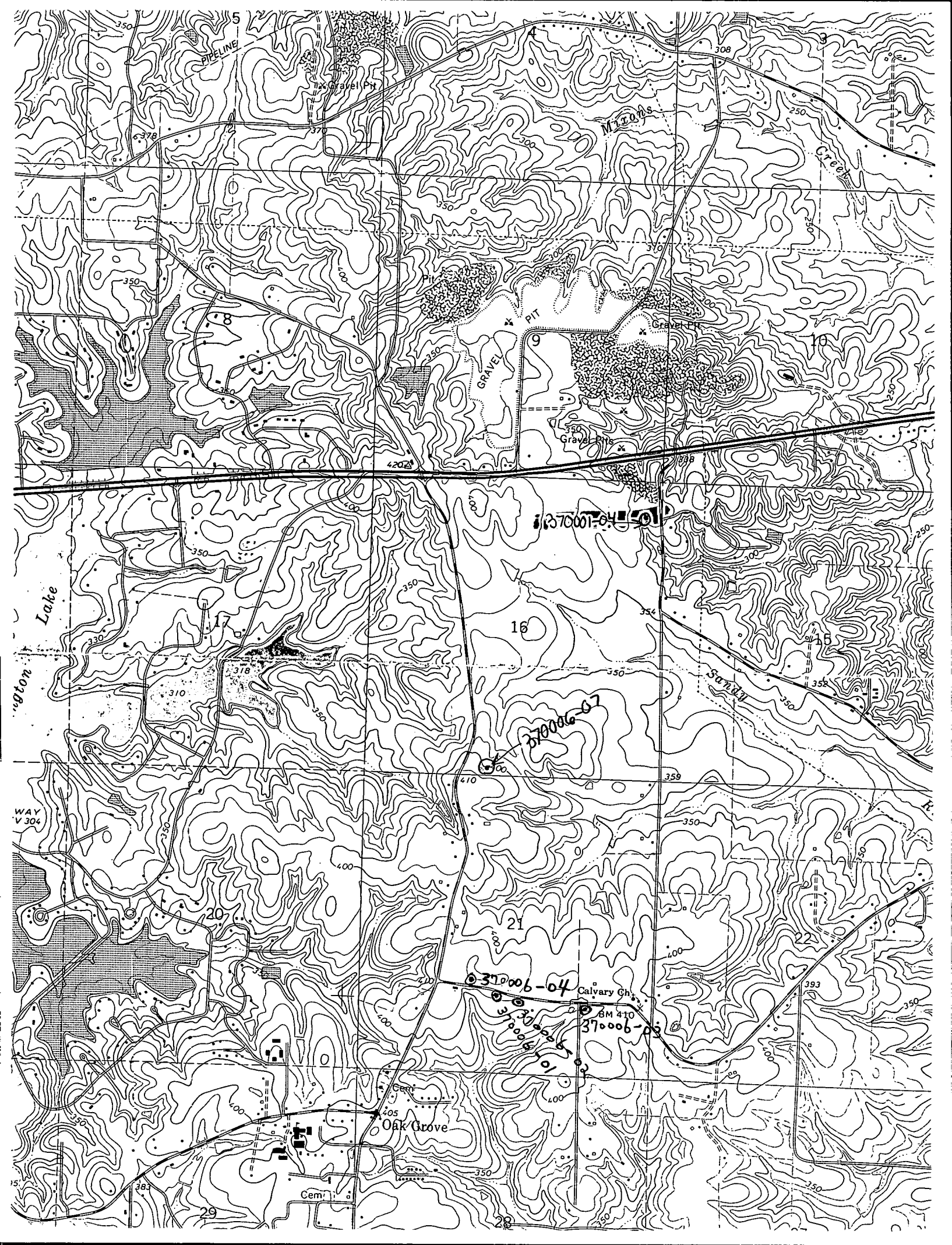
LOCATION DESCRIPTION: _____

CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. 31.31537 LONG. -89.39962

GPS CORRECTED LOCATION: LAT. _____ LONG. _____

REMARKS: picture #4 + #5



PIPELINE

Way 304

SUNNY

Oak Grove

Calvary Ch.

BM 410

370006-04

370006-07

370006-04

370006-05

370006-06

PIT

GRAVEL

GRAVEL

GRAVEL

Mans

Cem

Cem

Cem

15

18

29

20

21

22

16

15

350

5

308

250

350

420

350

350

350

310

378

350

470

350

350

400

400

400

393

350

350

400

350

400

350