

(All logs penetrate base of Miocene)

LOG NO.	ADAMS	AMITE	CLAIBORNE	COLIH	COVINGTON	FORREST	FRANKLIN	GEORGE	GREENE	HANCOCK
SEC., T., R.	16	21	21	30	30	15	54	4	5	47
ALTITUDE (FT) SEA-LEVEL DATUM	47 00N 01W	21 14 03N 02E	44 11N 02E	34 11N 2W	28 05N 13W	34 03N 13W	34 6N 2E	03 02S 07W	27 02N 06W	32 06S 15W
TOP OF LOG (FT)LAND SURFACE DATUM	315	440	195	455	410	387	510	107	90	5
SAND INTERVALS(FT)	80	192	0	94	50	453	100	66	50	
	250-320	80-110	200-225	10-30	200-240	90-190	480-670	670-730	100-115	110-120
	320-690	260-320	250-290	130-190	270-300	350-580	1170-1210	920-1020	200-230	230-295
	930-1090	500-600		290-305	340-450	710-910	1415-1445	1050-1145	270-340	920-1220
	1300-1530	770-800		310-325	550-630	950-1280	1560-1600	1170-1230	400-600	1470-1750
		850-950		800-820	705-785		1720-1745		740-930	1830-2000
		1040-1060		1135-1150	820-900		1850-1905			2270-2440
		1115-1220		1225-1290						2530-2770
		1450-1480		2470-2055						
		1560-1595		2545-2590						
		1750-1775								
		2135-2180								
LOG NO.	HARRISON	HINDS	JASPER	JEFFERSON	JEFFERSON DAVIS	JONES	LAPAR	LAWRENCE	LINCOLN	
SEC., T., R.	6	79	1	32	44	3	21	1	89	
ALTITUDE (FT)	33 04S 11E	15 03N 04W	05 08S 08W	09 10N 12W	04 22 25 07N 19W	31 21 33W	26 13W 15W	05 01N 11E	9 7N 7E	
TOP OF LOG(FT)	155	260	110	335	245	175	390	455	455	
SAND INTERVALS(FT)	29	148	50	50	130	132	75-275	440-110	440-230	
	210-310	200-330	210-310	50-75	40-130	240-410	200-350	75-275	440-110	440-230
	400-435	1520-1540	510-630	200-240	310-360	690-700	530-680	800-940	150-170	275-340
	720-760	1490-1970	695-720	770-790	395-410	850-930		1130-1530	185-205	395-415
	830-900	2050-2080	750-820	414-1170	414-66			1560-1910	315-360	610-650
	930-950	2125-2225	1100-1150	1250-1310	705-730			1680-1800	420-450	675-795
	990-1000	2325-2340	1375-1600		970-1030				830-860	830-860
	1290-1400								915-930	
	1515-1590								1050-1080	1055-1070
	1890-2030								1170-1260	1300-1310
	2050-2090								1480-1550	
LOG NO.	MARION	PEARL RIVER	PERRY	PIKE	SIMPSON	SMITH	STONE	WALTHALL	WAYNE	WILKINSON
SEC., T., R.	1	108	63	109	1	66	2		19	
ALTITUDE (FT)	14 03N 13E	30 02S 15W	17 01N 11W	22 03N 07E	15 1N 4E	16 10N 16W	16 02S 11W	21 03N 11E	29 07N 07W	28 02N 03W
TOP OF LOG(FT)	120	320	150	425	351	490	200	360	230	265
SAND INTERVALS(FT)	190-210	155-180	490-580	210-260	100-130	60-115	245-255	100-150	60-240	270-300
	240-310	280-360	850-840	605-660	190-205	150-170	400-410	200-400	390-410	420-475
	430-500	515-625	860-895	990-1020	375-410	280-310	570-650	500-525	460-730	660-710
	530-570	700-720	920-990	1165-1190	430-470	380-440		1170-1360	735-860	940-1030
	850-930	1085-1810	1020-1105	1285-1460	570-580	545-570	730-810	1550-1700		1420-1515
	970-1050	1565-1610	1280-1400	1550-1575	285-315		1660-1910	1810-1880		1200-1245
	1140-1220			1895-1970	1800-1845		1820-1950	1920-1960		1420-1515
	1275-1325			2000-2160	2000-2160		1455-1475	2000-2020		1515-1600
	1365-1395			2610-2660	2020-2055					
	1510-1580									

TEMPERATURE IN DEGREES CELSIUS

DEPTH IN FEET

TEMPERATURE IN DEGREES CELSIUS

Depth (Feet)	Temperature (°C)
0	50.0
500	35.0
1000	25.0
1500	18.0
2000	14.0
2500	12.5
3000	12.0

[illegible]

SELECTED REFERENCES

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Figure 13 consists of two graphs, (a) and (b), showing drawdown in feet at 500 gallons per minute versus distance from the pumped well in feet. The x-axis for both graphs is 'DISTANCE FROM PUMPED WELL IN FEET' on a logarithmic scale from 200 to 5000. The y-axis for both graphs is 'DRAWDOWN IN FEET AT 500 GALLONS PER MINUTE' on a logarithmic scale from 1 to 80. Graph (a) is for a transmissivity of 10^{-4} and storage of 10^{-3} . Graph (b) is for a transmissivity of 10^{-3} and storage of 10^{-3} . Both graphs show drawdown curves for 1 day, 10 days, 100 days, and 1000 days. An example is provided for a drawdown of 100 feet in 100 days, which corresponds to a pumping rate of 500 gpm from a well with a radius of 1000 gpm. A note states: 'Note: For other pumping rates the drawdown will be proportionate.'

FIGURE 12.---TIME-DISTANCE-DRAWDOWN RELATIONS FOR MIOCENE AQUIFERS

JACKSON, MISSISSIPPI