

11/17/99

Coded By 2198
Checked By 07902-99
Entered By JKR
Date 7/99

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 710
County RANKIN
Agency

Well No. K196

WELL RECORD

GW15268

Jackson SE
quad

Agency Code U S G S	Site Id 13214591091010311211	Project No. 5
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Station Name 12 K196 TURF MGT. INC	Latitude 9 32 14 59	Longitude 10 09 10 13 12	GPS SW/SE/SE/SW
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Lat/Long Ac. 11 S F T M	Dist 6=28	State 7=28	County 8=1211	Land Net 13 SW/SE/SE/SW 25 T O S W R O I Z A ϕ
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Location Map 14 W H I T F I E L D	Altitude 16 3 15	Met/Meas 17 A \odot	Accuracy 18 5	Hydrologic Unit 20 10311810101012
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Agency Use 803 A \odot	Date Inventoried 711	Station Type 4 Y	Data Type 804
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Instru. 905 806	Remarks	Relia. 3 \odot C L M U 2 K X
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Date of Construction 21 03 11 11 1998	Well Use 23 W	Water Use 24 T	Primary Aquifer 714 2 K K F	Hole Depth 27
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Well Depth 28 1830	Water Level 30 190	Water Level Date 31 03 11 11 1998	Method 34	Status 37	Source 33 S
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CONSTRUCTION DATA

R=58	T=A	723#1	Construction Date 60 03 11 11 1998	Contractor 63 1501 Name <u>Cresswell</u>	Method 65 H	Finish 66 S
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CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	77 11 10	78 11 10	79 14
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R=76	T=A	725#2	59#1	77 11 10	78 11 10	79 14
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CONSTRUCTION OPENINGS DATA

R=82	T=A	726#1	59#1	83 11 10	84 10 30	87 14	85 S	89	88 19 12
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R=82	T=A	726#2	59#1	83	84	87	85	89	88
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CONSTRUCTION LIFT DATA

R=42	T=A	254#1	Lift Type 43 S	Date 38 03 11 11 1998	Intake 44 3 15
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Power 45 F	H.P. 46 20	Serial No. 49
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MISCELLANEOUS OWNER DATA

R=158	T=A	718#1	Date of Ownership 159 03 11 11 1998	Owner Name 161 TURF MGT. INC
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MISCELLANEOUS OTHER ID DATA

R=189	T=A	736#1	E-Log No. 190 11 10	Assioner 191 M I S S D I S T
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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 96#00400	Value 197# / / / / .

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#D	Sec. Depth 200# / / / / / .	End Depth 201# 830# / .
R=198	T=A	739#1	Log Type 199#EL	Sec. Depth 200# / / / / / .	End Depth 201# 830# / .

MISCELLANEOUS NETWORK DATA

706 = QW WL WDS *

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

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184# 03 / / / / / / / / .	Remarks 185# MSGW 15268
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DISCHARGE DATA

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

R=90	T=A	721#1	Depth Top 91# 1670# / .	Depth Bot. 92# / / / / / .	Unit Id 93# 124CCKR# / .	304#P
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154=90, 155=10

HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100# / / / / / / / / .	103# / .
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210 2/25/98
-18.95

191.05
- 1.00 mp top of pump seal
190.05

ret 40' dd @ 300gpm (6 hrs)

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
SURFACE DEPOSITS	0	13
SAND	13	33
FOREST HILL	33	45
VAZOO CLAY	45	510
MORRIS BRANCH	510	530
SHALE	530	562
FINE SAND	562	586
SHALE	586	670
FINE SAND	670	740
SAND	740	830

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
RANKIN

WELL NUMBER **K 196** CODED PERMIT NUMBER **MS-6W-15268**

NAME OF DRILLING FIRM
EM Bud CRESSWELL

DATE WELL COMPLETED
MARCH 11, 1998

BENTONIA, MS. 39040

NAME & MAILING ADDRESS OF LANDOWNER
**TURF MANAGEMENT
PATRICK FARMS GOLF COURSE**

RANDY WATKINS

MADISON, MS. 39110

WELL LOCATION SEC **25** TOWNSHIP **5 N** RANGE **2 E**

DISTANCE **3** Miles DIRECTION **West** NEAREST TOWN **BRANDON**

OTHER LANDMARK

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

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 **20**

Pump Capacity (GPM) **250** No. of Stages **10** Setting Depth **315** FT.

PUMP TEST
Well yielded **300** GPM with
a drawdown of **40** ft.
after **6** hours of pumping

WELL DATA

Well Depth 830	Casing Diameter (In.) 6 x 4	Casing Length (Ft.) 440' 6"
Type of Casing Steel	Hole Depth 830	Depth to Static Water Level 190

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

WELL GROUTED TO A DEPTH OF **25** 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
STATE

SCREEN DATA

Diameter - Inches 4	Length - Feet 60	Slot Size - Inches .012
Screen Type STAINLESS	Depth to Bottom - Feet 730-830	

GEOLOGIC DATA (Office Use Only)

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

Driller's Remarks
**6" 440' BALANCE
4" - 30' LAP**

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

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
SURFACE DEPOSITS	0	13			
SAND	13	33			
FOREST HILL	33	45			
VAZEE CLAY	45	510			
MOUNDY'S BRANCH	510	530	03-26-98A09:31 RCVD		
SHALE	530	562			
FINE SAND	562	586			
SHALE	586	670			
FINE SAND	670	740			
SAND	740	830			

IF MORE SPACE IS NEEDED, USE BACK

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin/Phillips DATE: 11/17/99

UNIT DEQ #: _____ FILE #: B1117168

HEALTH DEPT. #: _____ ELEV. 317

USGS #: K196 OLWR #: GW 15268

OWNER: Patrick Farms Golf Club QUAD: Jackson SE

LOCATION: NE/NW S²⁴₂₅ T 5N R 2E COUNTY: Rankin

LOCATION DESCRIPTION: In white well house on 10th hole
next to pond on Greenfield Rd.

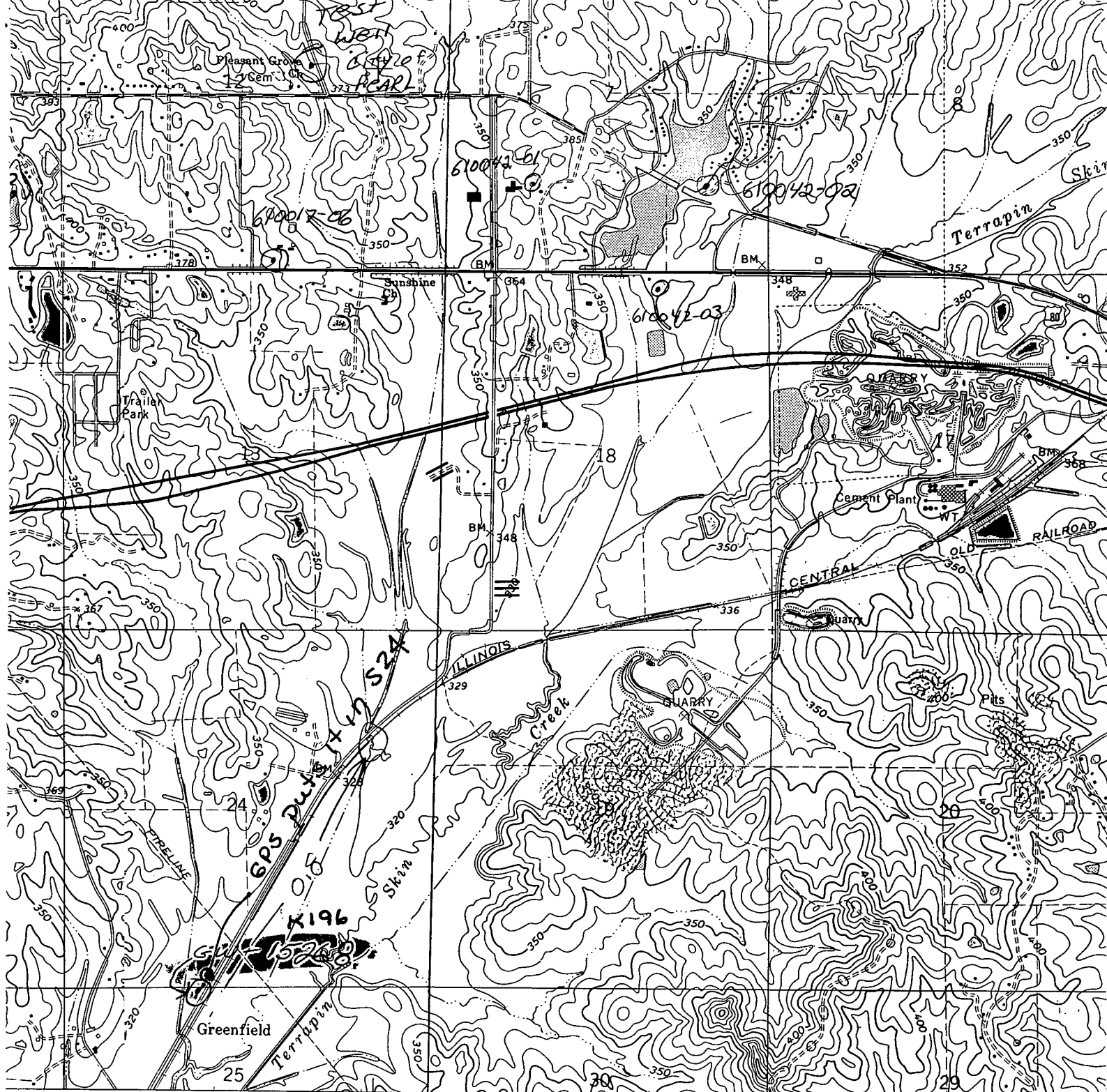
CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. 32° 15' 18.0" LONG. 90° 03' 00.0"

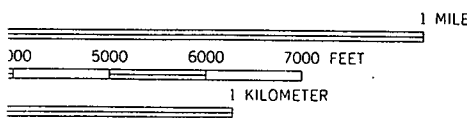
GPS CORRECTED LOCATION: LAT. 32.254774 LONG. 90.050048

REMARKS: Could not get in well house, door locked
On Greenfield Rd 1.8 mi from 469

32° 15' 17.19" 90° 03' 00.17"



177 178 R. 2 E. 2/30" 179 R. 3 E. 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000



1000 FEET
 500 FT CONTOURS
 100 FT LEVEL

*1.3
 to STOP*



QUADRANGLE LOCATION

● INTERIOR—GEOLOGICAL SURVEY, WASHINGTON
 WHITFIELD 5 N
 FLOWOOD 13 N

ROAD CLASSIFICATION
 Heavy-duty..... Light-duty
 Medium-duty..... Unimprove
 U. S. Route ○ St.
 Interstate Rout

JACKSON
 SE/4 JACKSON
 N3215—

ACCURACY STANDARDS
 WASHINGTON, D. C. 20242
 48BOLS IS AVAILABLE ON REQUEST

1
 PHOTORE
 AMS 2948 I S: