

Recorded by je  
Date 3/2/87  
Agency USGS

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

Well No. L21  
E-Log No. 47  
County KEMPER

WELL RECORD

MOSCOW QUAD  
214B

Site Id 324325088513901 R=0\* T=A\* 2=W\* Data reliab. 3=K\* C U  
 Dist. 6=28\* State 7=28\* Co. 8=10691\* Lat. Long. 9=324325\* 10=0885139\*  
 Well NO. 12=120211\* Location 13=SW SW S 110 T 110 N R 14 E \* Alt. 16=630\*  
 Hyd. Unit (OWDC) 20=031701011\* Date 21=1987/10/1/16\* (YYYYMMDD) 17=M\*  
 Agency Use 803=0\* Well Use 23=W\* Water Use 24=P\* Hole depth 27=1656.1\* Well depth 28=1566.1\*  
 W. 30=1280.1\* Date 31=1987/10/1/16\* Source 33=D\* Flow 37=1\*  
 Project No. 5=

R=42\* T=A\* 254#1\* Date 38=1987/10/1/16\* Lift Type 43=S\* Intake 44=  
 Power Type 45=E\* H.P. 46=25.1\*

R=58\* T=A\* 723#1\* Date 60=1987/10/1/16\* Drlg 63=064\* Name LAYNE  
 Method 65=H\* Finish 66=C\* Remarks

R=76\* T=A\* 725#1\* 59#1\* Top csng 77# 0.1\* Bot. csng 78=505.1\* Diam. 79#1.0\*

R=76\* T=A\* 725#2\* 59#1\* Top csng 77# 1441.1\* Bot. csng 78=510.1\* Diam. 79#1.6\*  
~~R=76\* T=A\* 725#3\* 59#1\* 77# 530.\* 78=540.\* 79#6.\*~~

R=82\* T=A\* 726#1\* 59#1\* Top 83# 5110.1\* Bottom 84=530.1\* Type 85=S\*

Diam. 87# 6.1\* Size 88=

R=82\* T=A\* 726#2\* 59#1\* Top 83# 540.1\* Bottom 84=560.1\* Type 85=S\*

87# 6.1\* 88=

R=90\* T=A\* 721#1\* Top 91=500.1\* Bot 92=580.1\* Unit Id 93=124WLCXL\*

R=90\* T=A\* 721#2\* Top 91= Bot 92= Unit Id 93=

R=98\* T=A\* 99#1\* Unit tested 100= 103=

R=105\* T=A\* 99#1\* Test No. 106# 107= Transmissivity (gal/d)/ft

108= Hydraulic cond. (gal/d)/ft<sup>2</sup> 110= Storage coeff. boundaries

GEN SITE DATA  
LIFT  
CONSTR.  
CASING  
OPENINGS  
AQUIFERS  
HYDRAULICS

ANAL. R=114\* T=A\* 706= | | | | \* Year 115# | | | | \* 117= | | | | \* 120= | | | | \*

R=121\* T=A\* Yr Begin 115# | | | | \* Network 257# | | | | \*

FIELD R=146\* T=A\* Flows/Pumped (circle one) 147#1\* 148= | | 9 | 8 | 7 | | 0 | | 1 | | 1 | 1 | 6 | \* -0 150= | | | | 1 | 5 | 0 | . | | \*  
Q/S 272= | | | | . | | | | \* 202 @ 16#

OWNER R=158\* T=A\* 718#1\* Date 159# | | 9 | 8 | 7 | | 0 | | 1 | | 1 | 1 | 6 | \* Owner No. \_\_\_\_\_  
Owner 161# | N | W | K | E | M | P | I | E | R | | W | A | | | | | | | | | | \* \*

OTHER ID R=189\* T=A\* 736#1\* E-Log No. 190# | 0 | 1 | 4 | 7 | \* 191= | M | I | S | S | | D | I | S | T | \* \*

FIELD LOG R=192\* T=A\* 738#1\* Date 193# | | | | / | | / | | | | \* Temp 196#00010\* 197= | | | | . | | | | \* \*

R=192\* T=A\* 738#2\* Date 193# | | | | / | | / | | | | \* Cond 196#00095\* 197= | | | | . | | | | \* \*

R=192\* T=A\* 738#3\* Date 193# | | | | / | | / | | | | \* pH 196#00400\* 197= | | | | . | | | | \* \*

LOGS R=198\* T=A\* 739#1\* Log 199# | D | \* Top 200= | | | | 0 | . | \* Bot 201= | 1 | 6 | 5 | 6 | . | | \* \*

R=198\* T=A\* 739#2\* 199# | E | \* 200= | | | | 1 | 1 | 6 | . | \* 201= | 1 | 6 | 5 | 6 | . | | \* \*

Remarks: R=183# 311= | | | | / | | / | | | | \* \*

184:

10' dd @ 202 gpm

WL Data  
11/30/88  
WL = 279.1

Red Sandy Clay	0'	103'
White Clay & Sand Sticks	103'	125'
Blue Clay	125'	155'
Rock	155'	157'
Lignite w/ clay Sticks	157'	205'
Rock	205'	207'
Lignite	207'	220'
Soft Blue clay & Sand Sticks	220'	357'
Rock	357'	359'
Blue Clay	359'	379'
Shale & Fine Sand Sticks	379'	421'
Sandy Clay	421'	515'
Sand	515'	581'
Sand & Clay Sticks	581'	652'
Clay & Rock	652'	654'





**KEMPER**  
L 21

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES  
Bureau of Land and Water Resources  
Southport Mall  
P.O. Box 10631  
Jackson, Mississippi 39209  
**WATER WELL DRILLERS LOG**

CODED

1-16 1987 date well completed  
Layne Central Co. firm name  
Kemper county well located

LANDOWNER: <u>Northwest Kemper</u>	description of formations encountered	from	to
<u>Water Associates</u>	<u>Red Sandy Clay</u>	<u>0'</u>	<u>103'</u>
<u>Philadelphia, MS</u> (mailing address)	<u>White Clay &amp; Sand Sticks</u>	<u>103'</u>	<u>125'</u>
<u>WELL LOCATION: NE 1/4 of SW 1/4 of Sec 10 T 10 N R 14 E</u>	<u>Blue Clay</u>	<u>125'</u>	<u>155'</u>
<u>16 miles East of Philadelphia</u> (distance) (direction) (nearest town)	<u>Rock</u>	<u>155'</u>	<u>157'</u>
<u>WELL PURPOSE: Rural U.S.A.</u> (home, irrigation, municipal, industrial)	<u>Lignite w/ clay Sticks</u>	<u>157'</u>	<u>205'</u>
<u>WELL COMPLETION DATA:</u>	<u>Rock</u>	<u>205'</u>	<u>207'</u>
(1) diameter (inches) <u>10"</u>	<u>Lignite</u>	<u>207'</u>	<u>220'</u>
(2) total depth (feet) <u>566'</u>	<u>Soft Blue clay &amp; Sand Sticks</u>	<u>220'</u>	<u>357'</u>
(3) static water level (feet) <u>280'</u> below top of ground.	<u>Rock</u>	<u>357'</u>	<u>359'</u>
(4) casing <u>Stainless Steel 505'</u> (material) (depth)	<u>Blue Clay</u>	<u>359'</u>	<u>375'</u>
<u>10"</u> if telescope see back. (size) + <u>6 3/4"</u> of <u>6"</u>	<u>Shale &amp; Fine Sand Sticks</u>	<u>375'</u>	<u>421'</u>
(5) screen <u>40'</u> <u>505'</u> (length) (depth to top)	<u>Sandy Clay</u>	<u>421'</u>	<u>515'</u>
<u>6"</u> <u>Stainless Steel</u> (size) (material)	<u>Sand</u>	<u>515'</u>	<u>581'</u>
(6) pump <u>25</u> <u>150</u> (HP) (yield gpm)	<u>Sand &amp; Clay Sticks</u>	<u>581'</u>	<u>652'</u>
(type power)	<u>Clay &amp; Rock</u>	<u>652'</u>	<u>654'</u>
(7) electric log <u>Yes</u> (yes or no)			
<u>Layne Central</u> (organization running log)			
(8) how well bottom plugged <u>BPV</u>			
DRILLERS REMARKS:			

CODED

10" to 505'  
445' top 6" Cap.

Top Sand  
515' to 581'  
10' blank  
20' blank

Department of Natural Resources  
Bureau of Land & Water Resources



DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hornbeak DATE: 1/15/97  
UNIT DEQ #: 82859 FILE #: B011522B  
HEALTH DEPT. #: 350007-01 ELEV. 625 630  
USGS #: L21 OLWR #: GW#02210  
OWNER: NW Kempet W/A #2-Pilgrim EXT. QUAD: Moscow  
LOCATION: SE-SE s 10 T 10N R 14E COUNTY: Kempet  
LOCATION DESCRIPTION: AT Plant + Tanks on North side of Gravel Rd. 0.05 mi.  
NE of Intersection with Hwy 495 (Intersection  
15. 3.0 mi. North of Intersection of 495 + Moscow Rd.)  
CASING DIA: 8" - 10" PUMP TYPE & SIZE: Submersible  
GPS FIELD LOCATION: LAT. 32° 43' 33.9" LONG. 88° 50' 44.7"  
GPS CORRECTED LOCATION: LAT. 32.72599985 LONG. 88.84591600  
REMARKS: GPS at well,

STATES  
OF THE INTERIOR  
AL. SURVEY

11 MI. TO MISS. 397  
0.1 MI. TO MISS. 16

326 327 328 50' 329 BLUFF SPRING 2.2 MI. R. 14 E. (LYNV) 3249

