

log # 72

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	
Desoto	
WELL NUMBER	CODED
BL7	<input checked="" type="checkbox"/>
DATE WELL COMPLETED	
12-09-99	

PERMIT NUMBER
NAME OF DRILLING FIRM
Layne Central Co

NAME & MAILING ADDRESS OF LANDOWNER			
Cogentrix Energy Inc			
9405 Arrowpoint Blvd			
Charlotte, NC 28273			
WELL LOCATION	SEC	TOWNSHIP	RANGE
	16	1	N 8 W
DISTANCE	DIRECTION	NEAREST TOWN	
2	Miles West	of HWY 51	
OTHER LANDMARK			
Stateline Rd Southaven			
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.			
Industrial Cooling			

PUMP DATA		
PUMP TYPE (Circle One): Temporary		
Submersible Turbine Jet Flowing Well		
Other (Describe)		
POWER TYPE (Circle One):		
Electric Tractor Diesel Gasoline Butane		
Other (Describe) GEN. H/P		
Pump Capacity (GPM)	No. of Stages	Setting Depth
		FT.
PUMP TEST		
Well yielded 1242 GPM with		
a drawdown of 60.5 ft.		
after 97 hours of pumping		

WELL DATA		
Well Depth	Casing Diameter (In.)	Casing Length (Ft.)
1484	18	1332
Type of Casing	Hole Depth	Depth to Static Water Level
Steel	1731	139'
TYPE OF COMPLETION: (Circle One or More):		
Gravel Packed, Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe)		
WELL GROUTED TO A DEPTH OF 1332 FEET		
Type Grout (circle one): Cement, Bentonite, or Mix		

LOG DATA	
TYPE OF LOG RUN (Circle One): No Log Run, Electric, Gamma Ray, Density, Sonic, Neutron, Other (Describe)	
Name of Organization Running Log	
Layne	

SCREEN DATA		
Diameter - Inches	Length - Feet	Slot Size - inches
12	100	0.020
Screen Type	Depth to Bottom - Feet	
304SSWW	1480	

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			
FEET IF TELESCOPED OR MORE THAN ONE SCREEN USE BACK PAGE			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
See Attached		

RECEIVED

JAN 24 2000

Dept. of Environmental Quality
Office of Land & Water Resources

IF MORE SPACE IS NEEDED, USE BACK

Ioto County

B-67 FORMATION LOG OF THE WELL OR TEST HOLE

STARTED TEST HOLE 10-11-99 FINISHED 10-23-99 TEST HOLE NUMBER 1
 LOCATION Cogentrix - Southaven SEC 16 TS 15 RANGE 8W ELEVATION _____

TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION	TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION
		<u>SAMPLE</u>			<u>SAMPLE</u>
1		226 - 260	38		1395 - 1427
2		260 - 290	39		1427 - 1458
3		290 - 317	40		1458 - 1495
4		317 - 347	41		1495 - 1520
5		347 - 374	42		1520 - 1552
6		374 - 395	43		1552 - 1584
7		401 - 435			
8		435 - 466			
9		466 - 493			
10		492 - 520			
11		520 - 546			
12		546 - 572			
13		572 - 599			
14		599 - 625			
15		625 - 656			
16		656 - 687			
17		687 - 714			
18		714 - 741			
19		741 - 767			
20		767 - 796			
21		796 - 825			
22		825 - 855			
23		855 - 866			
24		866 - 907			
25		907 - 934			
26		934 - 963			
27		963 - 990			
28		990 - 1016			
29		1016 - 1042			
30		1042 - 1069			
31		1069 - 1096			
32		1096 - 1122			
33		1122 - 1149			
34		1149 - 1178			
35		1178 - 1203			
36		1349 - 1373			
37		1373 - 1395			

MUD PIT SIZE _____ FT. X _____ FT. X _____ FT. DEEP
 TYPE BIT USED TO CUT SAND _____
 SIZE OF TEST HOLE THROUGH SAND _____
 TYPE OF BIT USED TO CUT UPPER FORMATIONS _____
 _____ SIZE _____
 TYPE MUD PUMP USED _____
 DRILLING PRESSURE IN SAND _____
 TYPE OF MUD USED _____
 NOTES: _____

TEST DATA	
PRELIMINARY TEST	FINAL TEST
STATIC WATER LEVEL	
PUMPED G. P. M.	
PRESSURE, POUNDS	
DRAWDOWN	
G. P. F. D.	
GUARANTEED G. P. M.	
GUARANTEED PRESSURE	
DATE OF TEST	

REMARKS

REC'D MAY 11 2001

DRILLER Barry Crook
 FIELD SUPT Ray Smith