

Attala  
 K-43  
 MS-GW-15469

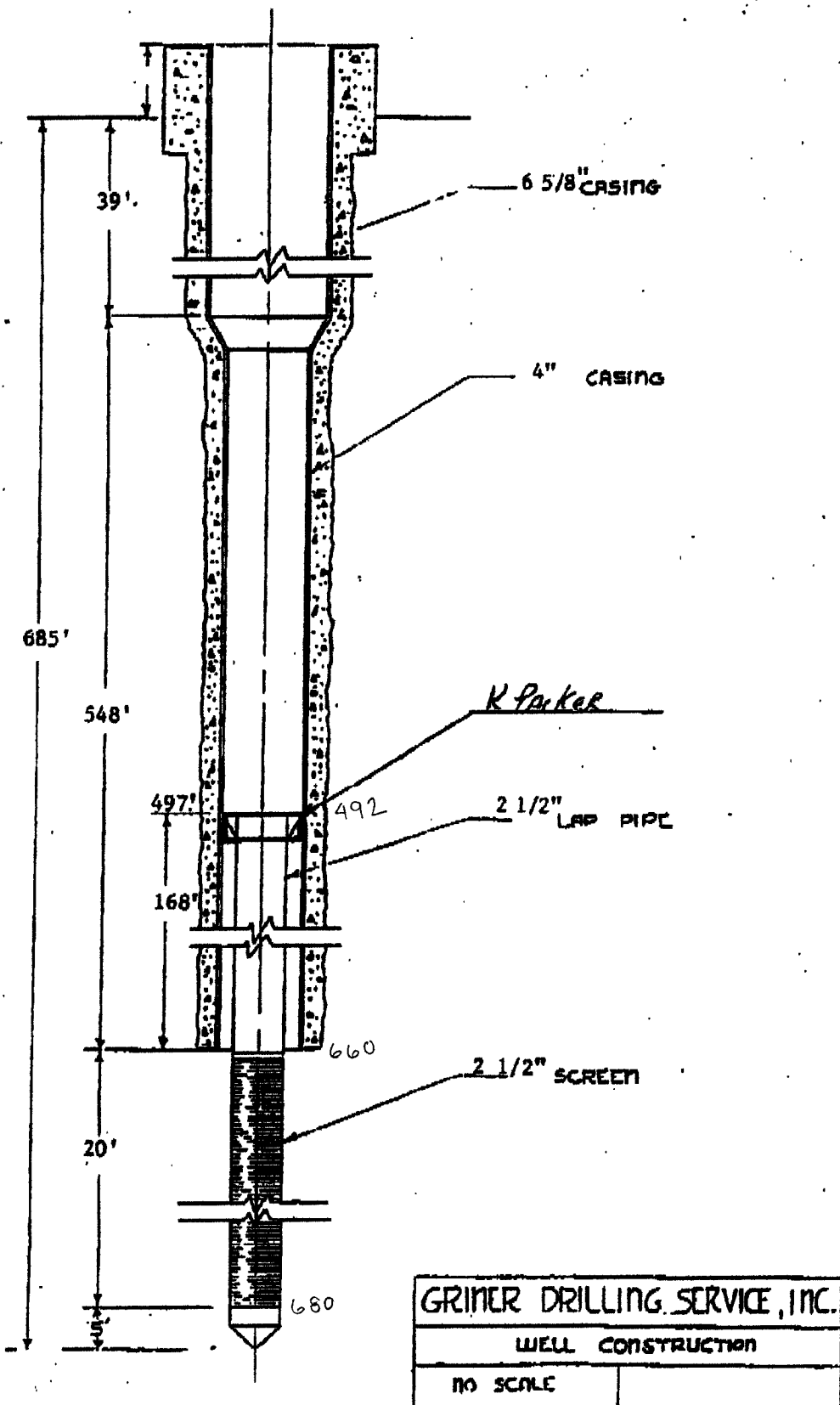
MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES  
 Bureau of Land and Water Resources  
 Southport Mall  
 P.O. Box 10631  
 Jackson, Mississippi 39209  
**WATER WELL DRILLERS LOG**

Z-28-2000  GRINER DRUG SERV Attala  
 date well completed firm name county well located

LANDOWNER: DUKE ENERGY	description of formations encountered	from	to
PG&E owner/OPERATOR AT PLANT			
(mailing address)			
WELL LOCATION: SW NE sec. 3 T 13 R 6 <small>(distance) miles east of MS Adams (direction) (nearest town)</small>	Elev. 322		
WELL PURPOSE: Test <small>(home, irrigation, municipal, industrial)</small>			
WELL COMPLETION DATA:			
(1) diameter (inches) 6			
(2) total depth (feet) 685'			
(3) static water level (feet) 43.4 below top of ground.			
(4) casing Steel 497 <small>(material) (depth)</small> 4 x 2 1/2 if telescope see back. <small>(size)</small>			
(5) screen 20' 548 660 <small>(length) (depth to top)</small> 2 1/2 SS <small>(size) (material)</small>			
(6) pump None <small>(HP) (yield gpm)</small> None <small>(type power)</small>			
(7) electric log YES (Attached) <small>(yes or no)</small> SCALUMBEGGER <small>(organization running log)</small>			
(8) how well bottom plugged			
DRILLERS REMARKS: Casing cemented to surface			

elog # 89

**DUKE ENERGY - ATTALA COUNTY, MISSISSIPPI  
OBSERVATION WELL COMPLETED  
IN MIDDLE WILCOX AQUIFER**



<b>GRIMER DRILLING SERVICE, INC.</b>	
<b>WELL CONSTRUCTION</b>	
<b>NO SCALE</b>	

**GRINER DRILLING SERVICE, INC.**

TELEPHONE 601/782-0847

P. O. DRAWER 683

COLUMBIA, MS 39412

PAGE 1 OF 2FORMATION LOG FOR DIJKE ENERGY - ATTALA COUNTY

TEST HOLE NO. <u>1</u>	ADDRESS _____
	TEST HOLE LOCATION _____ PLANT SITE _____

**FORMATION AND TEST HOLE INFORMATION**

TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION	REMARKS
15	10	CLAY	
56	40	SAND	
140	85	CLAY WITH ROCKS	
218	78	SAND WITH CLAY STREAKS	
227	9	ROCKY CLAY	
249	22	SAND	
312	63	CLAY WITH SAND STREAKS	
342	30	SAND WITH CLAY STREAKS	
385	53	SAND	
432	37	CLAY	
436	4	SAND	
460	24	CLAY	
490	30	SAND	
510	20	CLAY	
540	30	SAND	
575	35	CLAY	
680	105	SAND	575-680
686	6	CLAY	
700	14	SAND	
715	15	CLAY	
717	2	SAND	
743	26	CLAY	
749	6	SAND	
780	41	CLAY	
820	30	SAND	
928	108	CLAY WITH ROCKS	

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

\_\_\_\_\_  
Field Engineer  
Driller

**GRINER DRILLING SERVICE, INC.**

TELEPHONE 601/776-5347  
 P. O. DRAWER 629  
 COLUMBIA, MS 39429

FORMATION LOG FOR DUKE ENERGY - ATTALA COUNTY

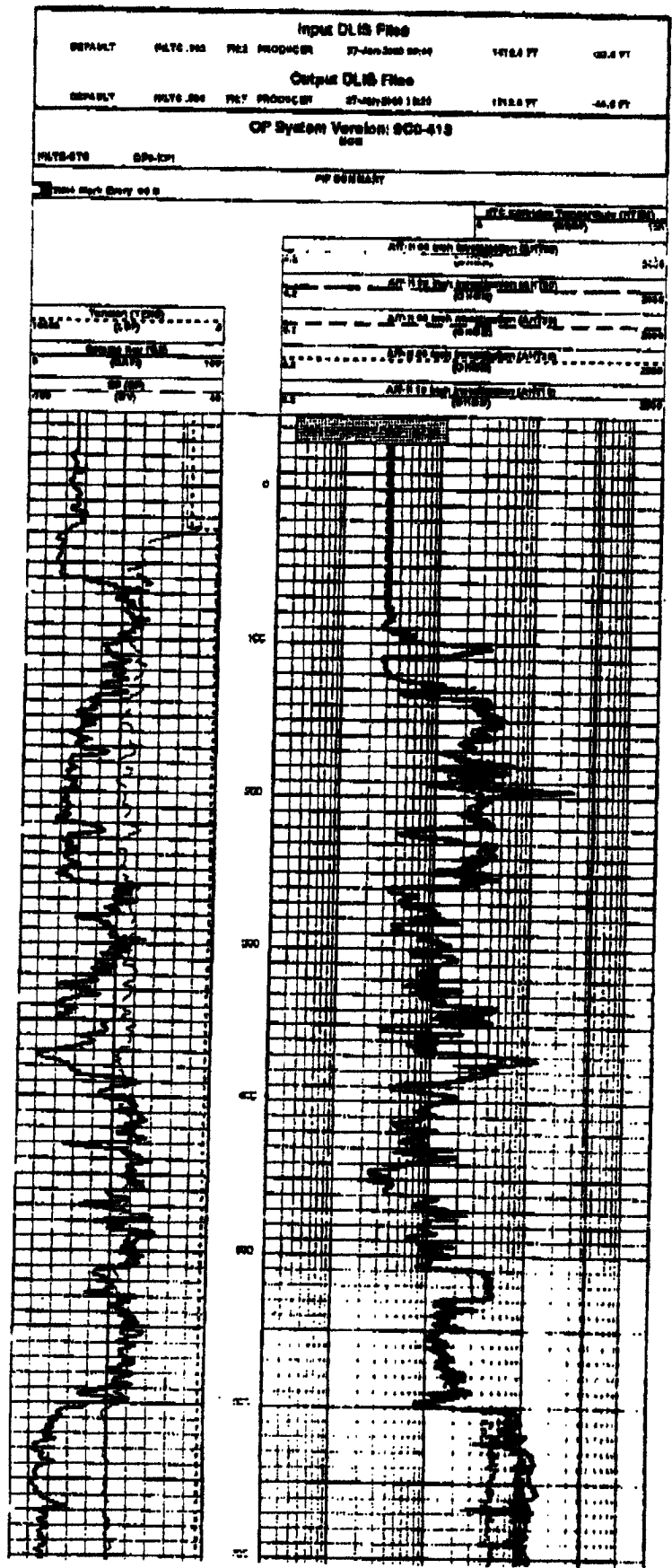
TEST HOLE NO. <u>1</u>	ADDRESS _____
	TEST HOLE LOCATION _____ PLANT SITE _____

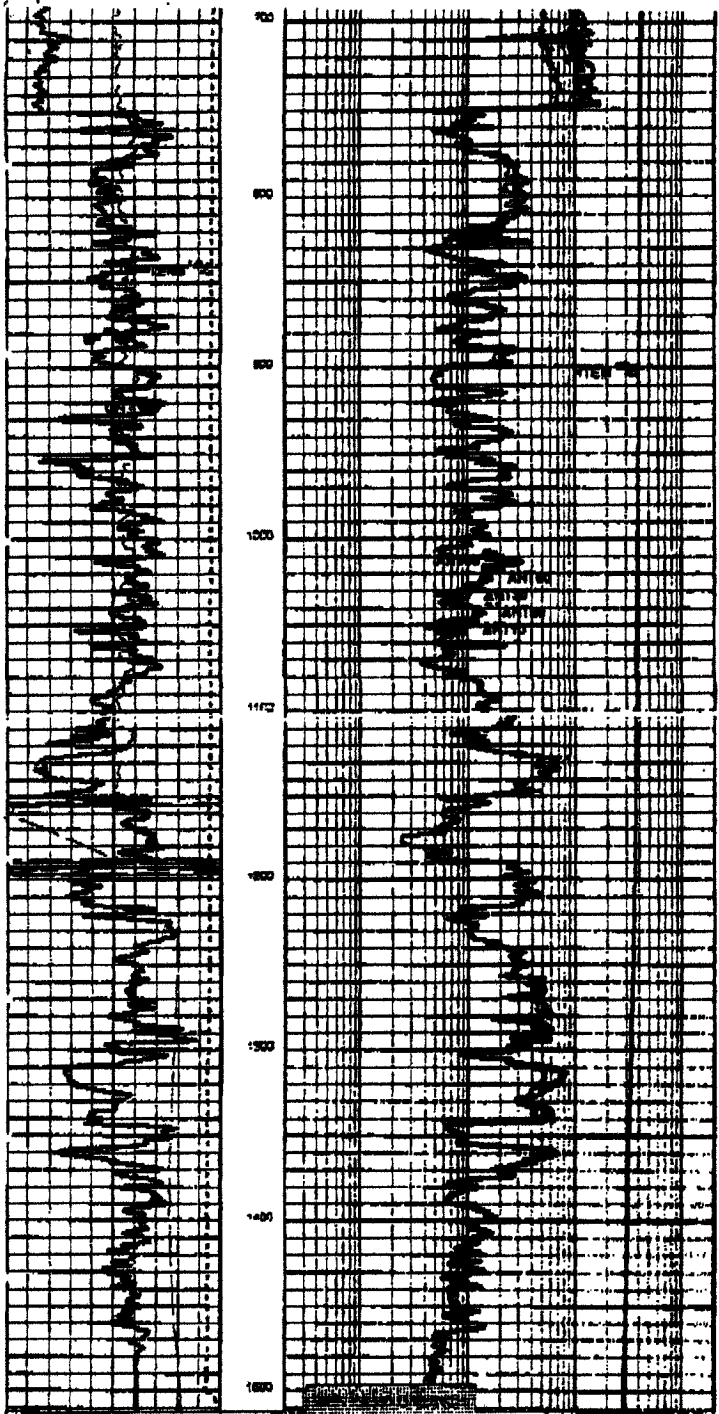
**FORMATION AND TEST HOLE INFORMATION**

TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION	REMARKS
936	8	SAND	
940	4	CLAY	
980	20	SAND	
987	7	CLAY	
988	1	SAND	
1010	42	CLAY	
1027	17	SAND	
1080	63	CLAY WITH ROCKS	
1110	30	SAND	
1120	10	CLAY WITH LIGNITE	
1140	20	SAND	
1150	10	CLAY	
1156	6	SAND	
1190	34	CLAY	
1213	23	SAND	
1230	17	CLAY	
1280	50	SAND (ROCK AT 1285)	
1306	26	CLAY	
1330	25	SAND	
1370	40	CLAY	
1374	4	SAND	
1600	126	CLAY	

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

\_\_\_\_\_  
 Field Engineer  
 Driller





0.1	AIT-11 10 inch Transducer (AIT-11)	AIT
0.2	AIT-12 10 inch Transducer (AIT-12)	AIT
0.3	AIT-13 10 inch Transducer (AIT-13)	AIT
0.4	AIT-14 10 inch Transducer (AIT-14)	AIT
0.5	AIT-15 10 inch Transducer (AIT-15)	AIT
0.6	AIT-16 10 inch Transducer (AIT-16)	AIT
0.7	AIT-17 10 inch Transducer (AIT-17)	AIT
0.8	AIT-18 10 inch Transducer (AIT-18)	AIT
0.9	AIT-19 10 inch Transducer (AIT-19)	AIT
1.0	AIT-20 10 inch Transducer (AIT-20)	AIT

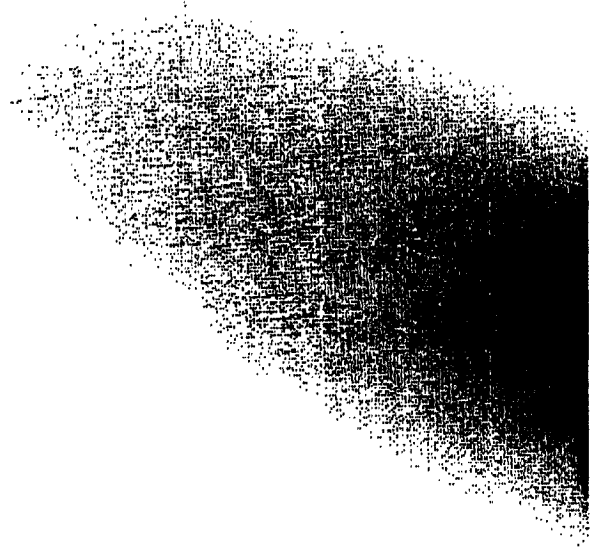
**Time Base: 2000**

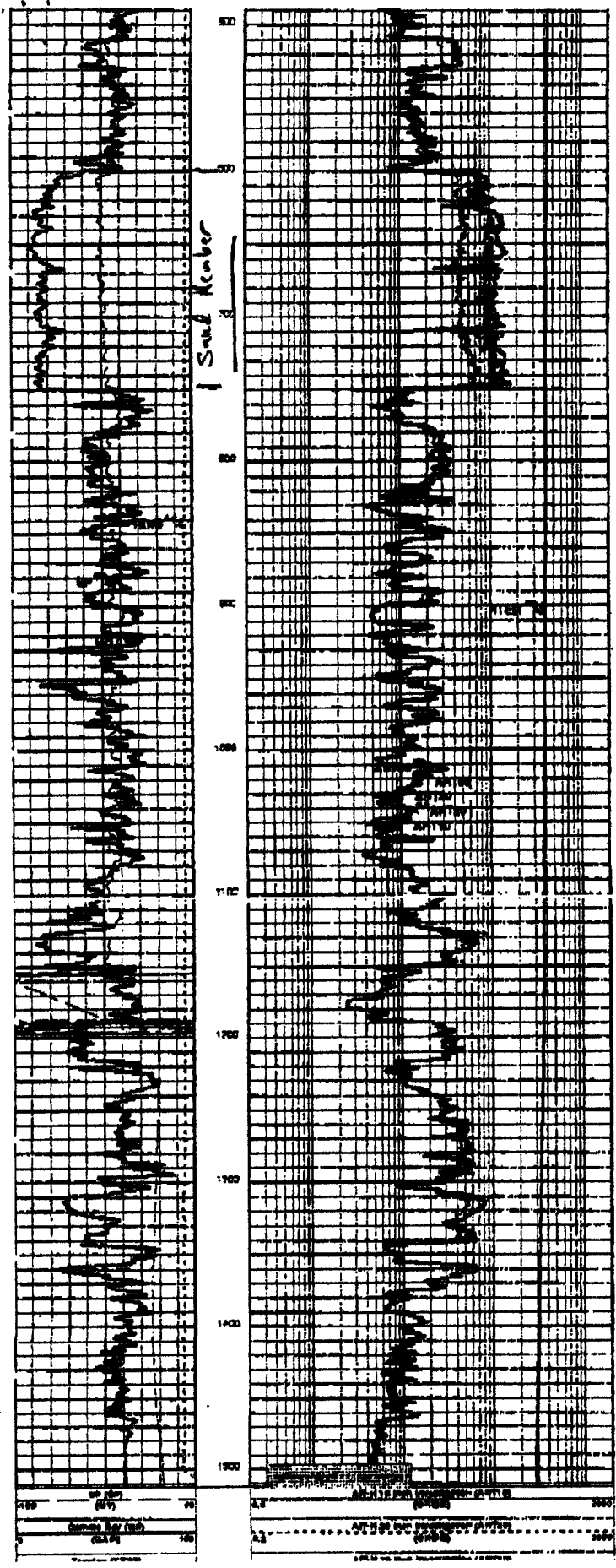
**AIT-11 10 inch Transducer (AIT-11)**  
 Acquired data from 10,776,817

**Waveform:**  
 The data resolution (bits) is 12. Bits/s (one 1000 period)  
 The data resolution (bits) is 12. Bits/s (one 1000 period)  
 Test is run in 0.000000 sec, 0.000000 sec, 0.000000 sec

**Caliper (0000): 00** and Resolution: (0000) 000.0  
 Temperature (TEMP): 0000.000000  
 Density (DENS): 0000.000000

Other parameters used by AIT-11/12/13/14/15/16/17/18/19/20  
 % of Maximum Temperature: 0.000000





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R-43  
15469

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

2-28-2000 date well completed  
GRINER DRUG SERV firm name  
Attala county well located

LANDOWNER: DUKE ENERGY	description of formations encountered	from	to
PG&E owner/OPERATOR AT PLANT	Original deep test hole to base of Wilcox See attached		
(mailing address)			
WELL LOCATION: SW NE sec 3 T 13 R 6 1 1/2 miles east of Adams (distance) (direction) (nearest town)	Elev. 322		
WELL PURPOSE: Test (home, irrigation, municipal, industrial)	Clay	0	15
WELL COMPLETION DATA:	Sand	15	55
(1) diameter (inches) 6	Clay w/rock	55	140
(2) total depth (feet) 685	Sand w/ Clay Stks	140	218
(3) static water level (feet) 43.4 below above top of ground.	Rocky Clay	218	271
(4) casing Steel 497 (material) (depth) 4 x 2 1/2 if telescope see back. (size)	Sand	271	249
(5) screen 20' 548 (length) (depth to top) 2 1/2 SS (size) (material)	Clay w/ Sand Stks	249	312
(6) pump None (HP) (yield gpm) None (type power)	Sand w/ Clay Stks	312	342
(7) electric log Yes (Attached) (yes or no) SCALUMBERGER (organization running log)	Sand	342	395
(8) how well bottom plugged	Clay	395	432
	Sand	432	436
	Clay	436	460
	Sand	460	491
	Middle Clay	491	511
	Sand	511	541
	Wilcox Clay	540	575
	Sand	575	680
	OBS WELL Clay	680	686
	Sand	686	700
	Clay	700	715
	Sand	715	717
	Clay	717	742
	Sand	743	749
	Clay	749	790
	Sand	780	820
	Clay w/rocks	820	928
	Sand	928	936
	Clay	936	940
	Sand	940	960
	Clay	960	967
	Sand	967	968
	Clay	968	1010
	Sand	1010	1027
	Clay w/rocks	1027	1080
	Sand	1080	1110
	over		
DRILLERS REMARKS: casing cemented to surface			



from	to	description of formation
1110	1120	Clay w/Lignite
1120	1140	Sand
1140	1150	Clay
1150	1156	Sand
1156	1190	Clay
1190	1213	Sand
1213	1230	Clay
1230	1280	Sand (rock at 1265)
1280	1305	Clay
1305	1330	Sand
1330	1370	Clay
1370	1374	Clay
1374	1500	Clay

# GRINER DRILLING SERVICE, INC.

TELEPHONE 69778-8347

P. O. DRAWER 929

COLUMBIA, MS 39429

PAGE 2 OF 2

FORMATION LOG FOR DUKE ENERGY - ATTALA COUNTY

TEST HOLE NO. <u>1</u>	ADDRESS _____
	TEST HOLE LOCATION _____ PLANT SITE _____

## FORMATION AND TEST HOLE INFORMATION

TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION	REMARKS
939	8	SAND	
940	4	CLAY	
980	20	SAND	
987	7	CLAY	
988	1	SAND	
1010	42	CLAY	
1027	17	SAND	
1080	53	CLAY WITH ROCKS	
1110	30	SAND	
1120	10	CLAY WITH LIGNITE	
1140	20	SAND	
1160	10	CLAY	
1156	6	SAND	
1180	24	CLAY	
1213	23	SAND	
1230	17	CLAY	
1280	50	SAND (ROCK AT 1280)	
1306	26	CLAY	
1330	26	SAND	
1370	40	CLAY	
1374	4	SAND	
1800	128	CLAY	

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

\_\_\_\_\_  
 Field Engineer  
 Driller

**GRINER DRILLING SERVICE, INC.**

TELEPHONE 801/785-6347  
 P. O. DRAWER 883  
 COLUMBIA, MO 65202

TEST HOLE NO. 1  
 ADDRESS \_\_\_\_\_  
 TEST HOLE LOCATION PLANT SITE \_\_\_\_\_

**FORMATION AND TEST HOLE INFORMATION**

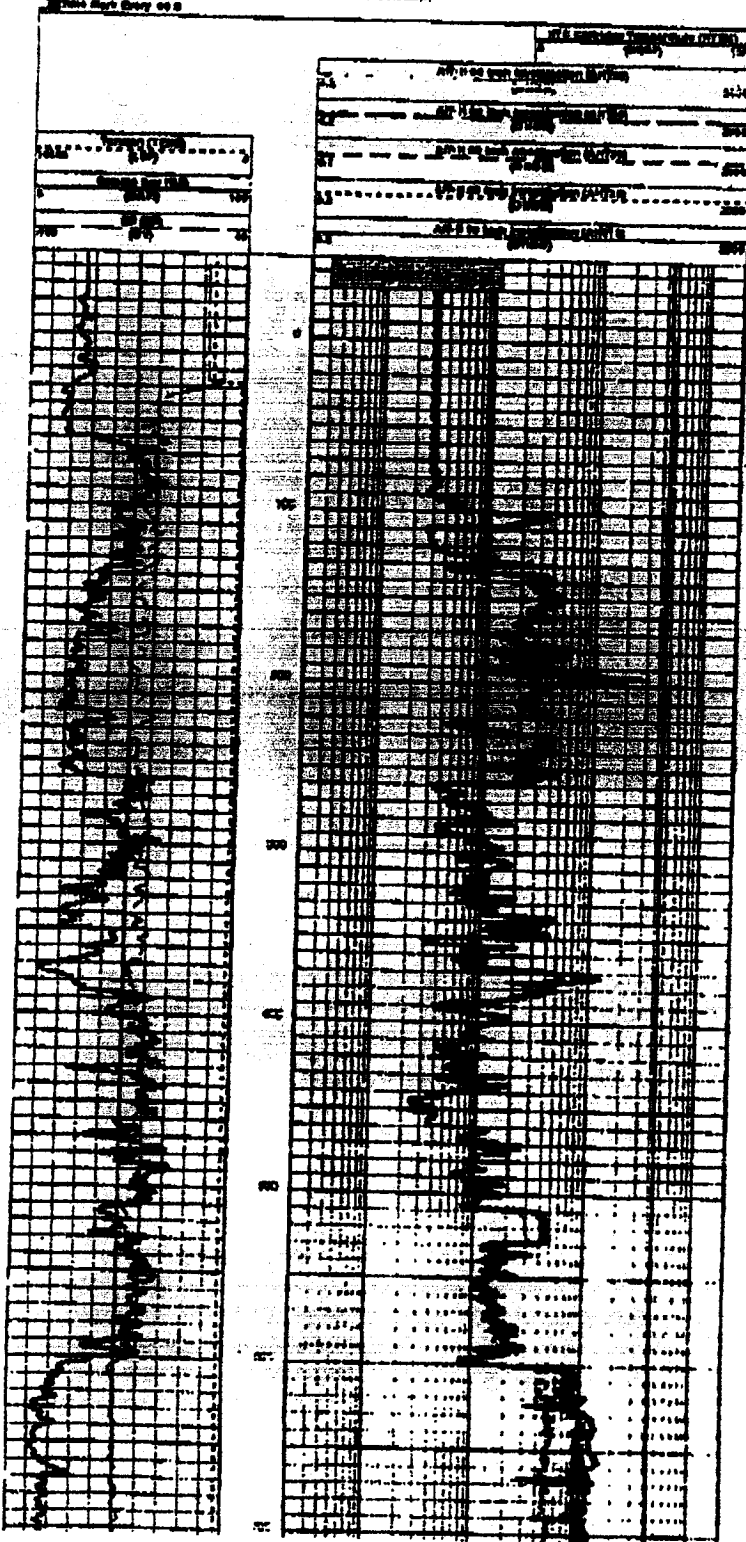
DEPTH	THICKNESS EACH STRATUM	FORMATION	REMARKS
15	10	CLAY	
55	40	SAND	
140	85	CLAY WITH ROCKS	
218	78	BAND WITH CLAY STREAKS	
227	9	ROCKY CLAY	
249	22	SAND	
312	63	CLAY WITH SAND STREAKS	
342	30	BAND WITH CLAY STREAKS	
395	53	SAND	
412	17	CLAY	
431	19	SAND	
450	19	CLAY	
490	40	SAND	
510	20	CLAY	
540	30	SAND	
575	35	CLAY	
600	25	SAND	
606	6	CLAY	
700	14	SAND	
719	19	CLAY	
717	2	SAND	
743	26	CLAY	
749	6	SAND	
780	31	CLAY	
820	40	SAND	
828	108	CLAY WITH ROCKS	

Field Engineer \_\_\_\_\_  
 Date \_\_\_\_\_

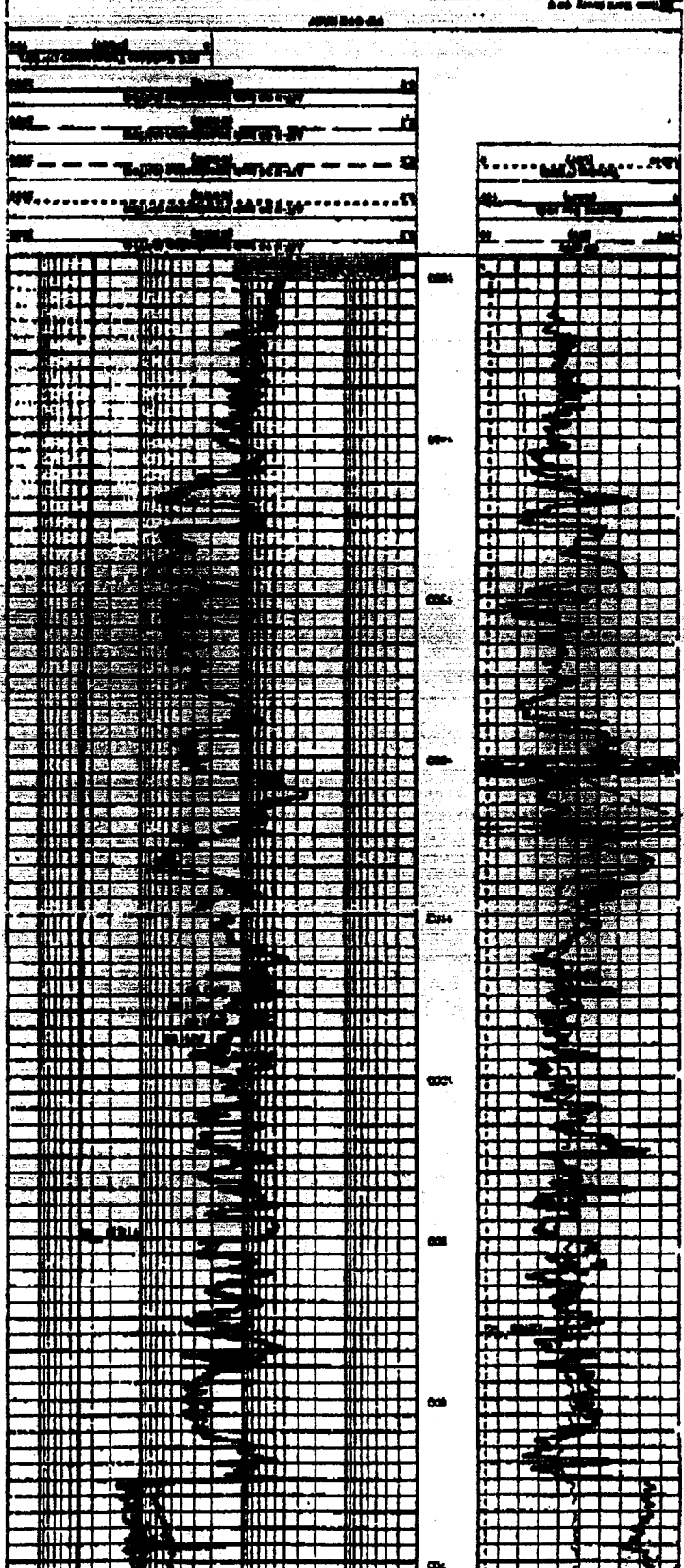
Date Started \_\_\_\_\_  
 Date Completed \_\_\_\_\_

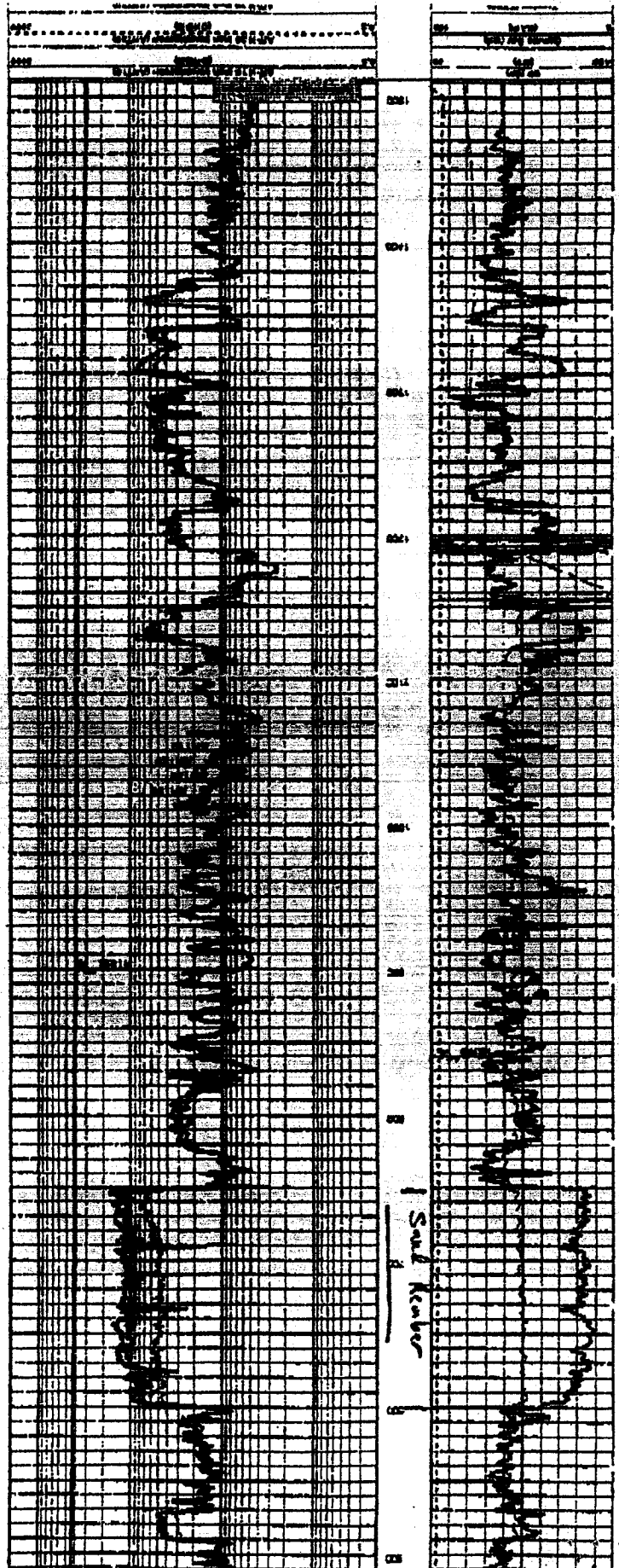
**Input DLIS Files**  
 INPUT FILE NO. 002 PRODUCER 27-Jan-2000 08:40 141.4 FT 02.4 FT  
**Output DLIS Files**  
 OUTPUT FILE NO. 007 PRODUCER 27-Jan-2000 1:22 118.2 FT -44.6 FT

**OP System Version: 900-413**  
 900  
 007-078 000-001  
 0000 0000 0000 000



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DUKE ENERGY - ATTALA COUNTY, MISSISSIPPI  
OBSERVATION WELL COMPLETED  
IN MIDDLE WILCOX AQUIFER

