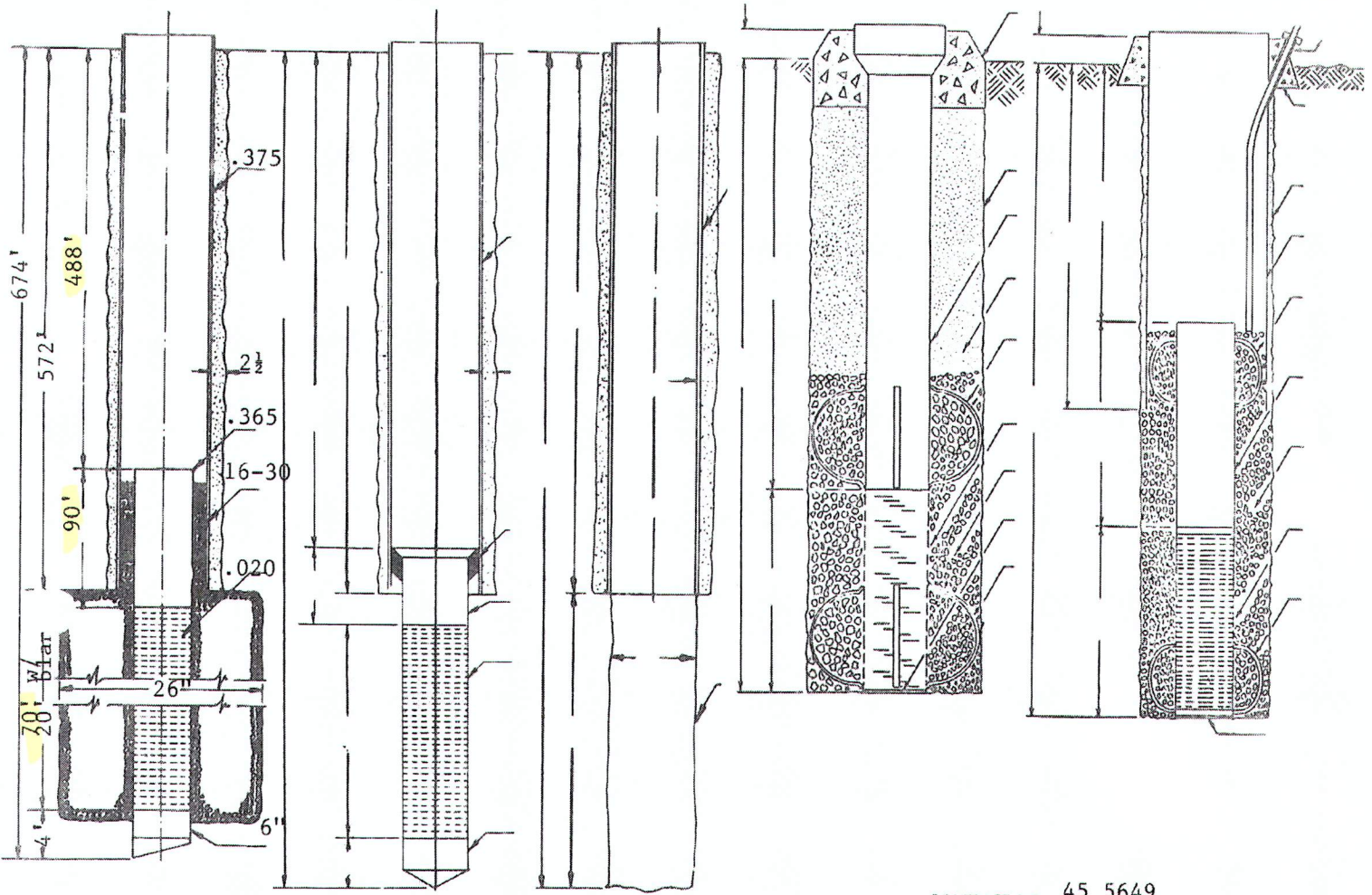


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GW 15090 D118

Log of Well for Hercules Well No. 3A
 Address (City) 7th Street Hattiesburg (County) Forrest State Ms
 Location of Well Neuphor section of plant - NW corner Made in Test Hole No. 1
of plant site



CONTRACT NO. 45 5649

STARTED WELL 6-10 19 96 AND COMPLETED 7-3 19 96
 TOTAL DEPTH 674' ELEVATION _____ STATIC WATER LEVEL 49'
 ALL MEASUREMENTS TAKEN FROM (GROUND) (TOP OF FOUNDATION) (TOP OF CASING) (TOP BASE PLATE)
 SURFACE CASING: SIZE 24" LENGTH 39' THICKNESS .225 T & C WELDED
 CEMENTED WITH 12 bags SACKS CEMENT OR PACKER TYPE portland
 WELL CASING: SIZE 16" LENGTH 572 WEIGHT _____ T & C WELDED
 CEMENTED WITH _____ SACKS CEMENT Halliburton OR PACKER TYPE _____
 INNER CASING SIZE 10" LENGTH 90' TYPE MATERIAL Black steel WELDED
 WITH 4" x 2 1/2" (GUIDES LOCATED) 450' - 570' TYPE BACKOFF left hand
 SIZE SEAL n/a BACKPRESSURE VALVE black steel size 6" LENGTH GUIDE 2"
 WELL STRAINER: MAKE Houston TYPE rod size 10" LENGTH 70' W20' OPENING .020
 TYPE MATERIAL stainless steel WITH welded CONNECTIONS _____
 SIZE HOLE DRILLED FOR SURFACE CASING 27" WITH _____ roller BIT
 SIZE HOLE DRILLED FOR WELL CASING 21" WITH _____ roller BIT
 SIZE HOLE DRILLED FOR STRAINER 26" WITH _____ grant under REAMER
 YARDS OF GRAVEL USED 6 S. S. SHOW PLACED gravel line TYPE 16-30
 HOW WAS WELL DEVELOPED agitated SAND no CLEAR? yes
 FOUNDATION INSTALLED NO LINE _____ DEPTH FEELING RODS 674' TOP OF WELL 488'
 NOTES: left gravel 10' down/ 20' blank in screen between 595'-615'
 RIG USED G.D. 2500 SPT. A.K. Collins DRILLER Clinton Dunn



LAYNE CENTRAL DIVISION

Forrest Co

GW 15090

D118

DRILLED FOR HERCULES

ADDRESS 7th STREET, HATTIESBURG, MS.

DATE 7-1-96

OF SEC. TS R

COUNTY Forrest

TOTAL DEPTH	EACH STRATUM	FORMATION	TOTAL DEPTH	EACH STRATUM	FORMATION
0'-12'	12'	TOP SOIL			
12'-17'	5'	FINE SAND			
17'-153'	136'	WHITE CLAY			
153'-225'	72'	BLUE AND BROWN SHALE			
225'-385'	160'	BLUE CLAY			
385'-536'	151'	COURSE SAND			
536'-578'	42'	SAND WITH CLAY STREAKS			
578'-594'	16'	SAND			
594'-614'	20'	BLUE CLAY			
614'-671'	57'	FINE SAND			
671'-690'	19'	BLUE CLAY			

DRILLING TIME _____ HR.
 DAYS ON JOB 20 days
 SIZE TEST HOLE 12 1/2"
 TYPE BIT USED roller cone

CLINTON EARL DUNN
 DRILLER
 A.K. COLLINS
 FIELD SUPT.

