FORMATION LOG OF THE WELL OR TEST HOLE

DeSoto Co,
B77

Hole 5/23 20 02 Finished 6/13/ 20 02 Test Hole Number 1

NEPCO Southaven Sec _____ TS _____ Range _____ Elevation

Total Depth	Thickness Each Stratum	Formation
10	10	Fill
29	19	Clay
47	18	Sand & Gravel
241	194	Gray Clay
251	10	Sandy Clay
313	62	Med Coarse Sand & Clay
397	84	Fine Sand & Clay Streaks
456	59	Hard Sandy Clay
466	10	Fine Sand & Clay w/ Lignite
784	318	Fine Sand & Clay Streaks
815	31	Fine Sand, Clay & Lignite W/ Rock
971	156	Fine Sand, Clay w/ Streak Lignite
1029	58	Sand Shale
1030	1	Rock
1114	84	Hard Shale & Lignite
1140	26	Shale
1240	100	Real Hard Shale & Lignite
1291	51	Hard Shale & White Clay
1316	25	Sandy Shale & White Clay
1332	16	Sandy Shale & White Clay
1379	47	Fine Sand & Shale
1400	21	Fine Sand & Shale 1/2 & 1/2
1417	17	Sand & Shale
1432	15	Sand & Shale Streaks
		SAMPLE
		1. 1316-1347
		2. 1347-1379
		3. 1379-1400
		4. 1400-1432

Total Depth	Thickness Each Stratum	Formation

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 Final Test

Static Water Level	131'
Pumped GPM	
Pressure Pounds	
Draw Down	
GPFD	
Guaranteed GPM	
Guaranteed Pressure	
Date of Test	

REMARKS

RECEIVED
SEP 03 2002
BY: OLWR

Driller Lynwood Hathcock

Field Supt Andrew Crawford

FORMATION LOG OF THE WELL OR TEST HOLE

Started Test Hole 5/23 20 02 Finished 6/13/ 20 02 Test Hole Number 1

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REMARKS

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SEP 0 3 2002
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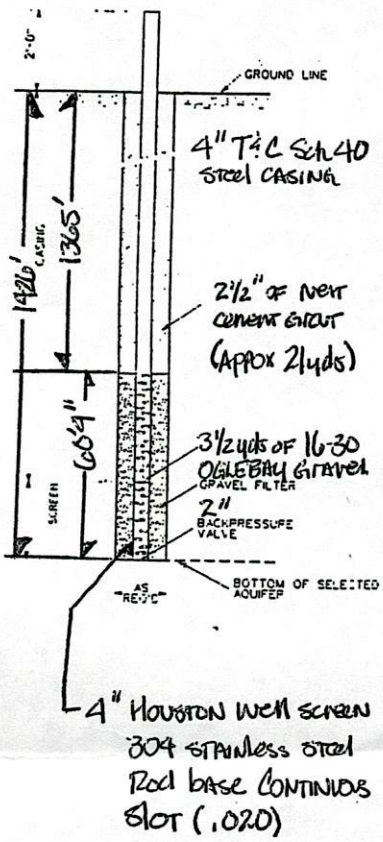
Driller Lynwood Hathcock

Field Supt Andrew Crawford

ALL MEASUREMENTS TAKEN FROM (GROUND) (TOP OF CASING) (TOP OF BASE PLATE)

Drawing of the Well



RECEIVED
SEP 0 3 2002
BY: OLWR

WELL DATA

STARTED WELL 5/23 2002 AND COMPLETED 6/13/ 2002
TOTAL DEPTH 1426' ELEVATION ____ STATIC WATER LEVEL 131'
LENGTH SURFACE CASING 45' SIZE 12" THICKNESS .250
CEMENTED WITH 25 SACKS CEMENT TYPE PACKER N/A
LENGTH WELL CASING 1365' SIZE 4" WEIGHT SMC40
CEMENTED WITH 21 yds SACKS CEMENT TYPE PACKER N/A
INNER CASING LENGTH N/A SIZE N/A WEIGHT N/A
WITH N/A X N.A GUIDES LOCATED N/A TYPE BACKOFF N/A
LEAD SEAL N/A BACKPRESSURE VALVE 2" GUIDE
WELL STRAINER MAKE HOUSTON SS SIZE 4" LENGTH 60' 4" OPENING 20 SLOT
TYPE MATERIAL 304 STAINLESS WITH WR X WR CONNECTIONS
SIZE HOLE DRILLED FOR SURFACE CASING 17" WITH ROCK ROLLER
SIZE HOLE DRILLED FOR WELL CASING 9 7/8" WITH ROCK ROLLER
SIZE HOLE DRILLED FOR STRAINER 9 7/8" WITH ROCK ROLLER
YARDS OF GRAVEL USED 3 1/2 HOW PLACED GRAVEL LINE
HOW WELL WAS DEVELOPED AIR DEVELOPMENT
NOTES: Monitoring Well

RIG USED GD2500 DRILLER Lynwood Hathcock

PUMP RECORD

SERIAL NUMBER ____ MAKE ____ FOUNDATION
LENGTH COLUMN ____ SIZE ____ TYPE ____ • 10 LENGTHS
BOWL SIZE ____ TYPE ____ STAGES ____ MATERIAL IMPELLOR
MATERIAL BOWL ____ WITH ____ PORTS AND ____ SHAFT
SUCTION SIZE ____ LENGTH ____ SUCTION STRAINER
IS PUMP SEALED? HOW ____ WHERE ____ WITH WHAT
LUBRICATOR TYPE ____ SIZE ____ VOLTAGE
LENGTH OF AIRLINE ____ SIZE ____ VOLTAGE
AIR RELEASE VALVE TYPE ____ SIZE
SIZE SURFACE DISCHARGE ____ TYPE ____ DAYTON COUPLING
PRESSURE GAUGE ____ SPEED
NOTES:

RIG USED TO SET PUMP ____ INSTALLER
DATE PUMP INSTALLED ____ 20 ____ DATE IN OPERATION ____ 20

MOTOR

MAKE ____ HP ____ FRAME
PHASE ____ CYCLE ____ VOLT 220
SPEED ____ MODEL ____ SERIAL NUMBER
TOP BEARING ____ BOTTOM BEARING ____ RATCHET
STARTER ____ PRESSURE SWITCH ____ FLOAT

GEAR

MAKE ____ MODEL ____ SIZE ____ RATIO ____ NO.
SIZE PULLEY ____ TYPE MOTOR FRAME

ENGINE

MAKE ____ MODEL ____ HP ____ SERIAL NUMBER
SPEED ____ SIZE PULLEY ____ FOUNDATION
TYPE FUEL TANK ____ MAKE MAG. ____ NO.
MAKE STARTER ____ NO. ____ TYPE FUEL
MAKE FLEXIBLE SHAFT ____ SIZE
LENGTH ____ BELT LENGTH

GENERAL

PURPOSE FOR WHICH THIS WATER IS USED Monitoring Well
TEMPERATURE ____ IS WATER CLEAR ____ CAPACITY
SAND ____ HARDNESS ____ PH ____ IRON ____ NACL
TYPE TREATMENT USED
IS THERE A DERRICK OVER THE WELL ____ HEIGHT ____ TYPE
CAN TRUCK OR RIG EASILY GET TO WELL
PUMP HOUSE ____ SIZE HATCH

CONTRACT NO. 57-5194

OUR WELL NO. 7 THEIR WELL NO. 7 IN TEST HOLE 1

LOCATION OF THE WELL Southaven, MS

INSTALLED FOR NEPCO Power Plant

ADDRESS CITY Southaven COUNTY Desoto STATE MS