NW/NW S06 T03S R04W elev 344 J326

WELL CONSTRUCTION LOG J0326 MARSHALL

Mt Tonnic Woods Marshall Co

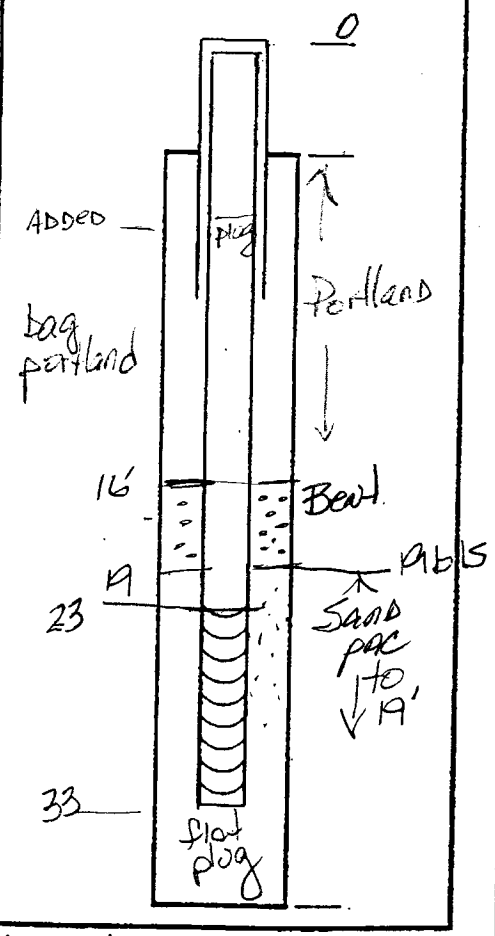
WELL LOCATION _____

DATE INSTALLED Sept 21, 2010

TYPE OF WELL 2" PVC

1. HEIGHT OF CASING ABOVE GROUND FLUSH
2. WATER SURFACE ELEV. _____
   a) DEPTH TO SATURATED ZONE _____
3. TOP OF CASING ELEV. _____
4. PROTECTIVE CASING YES NO
   a) CASING LENGTH _____
5. LENGTH OF SCREEN 10ft
6. SIZE\TYPE OF SCREEN .010
7. LENGTH OF SUMP _____
8. TOTAL DEPTH OF BORING 33 HOLE DIAMETER 8"
9. SCREENED INTERVAL 23-33
10. TYPE OF SCREEN FILTER PACK Sand coarse
    QUANTITY USED 3 1/2 SIZE _____ U/C _____
    ↳ D. McCray to do sieve
11. DEPTH TO TOP OF FILTER _____
12. TYPE OF SEAL Bentonite
    QUANTITY USED 1 bag pellets
13. DEPTH TO TOP OF SEAL 16ft
14. TYPE OF GROUT Portland
    GROUT MIXTURE 12% bent. @ 3 bags port 1 bag bent.
    METHOD OF PLACEMENT _____
15. COMMENTS Soupy above sand pac
    orange/orange water sand mixture

INSTALLATION DESCRIPTION



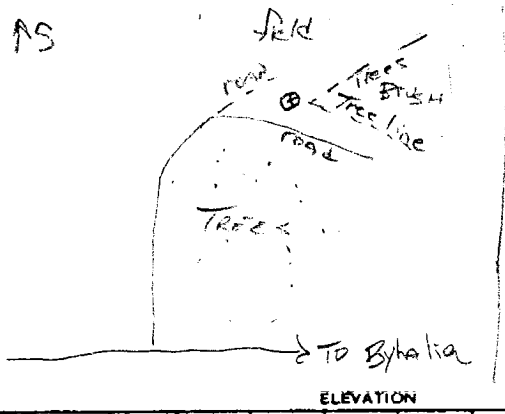
WL - let well sit overnight to allow sand to sink

Grout mixture by guidelines of Shelby Co Health Dept (12% or > of bent. w/ portland)

WL @ bgs on 9/24/10 @ 0645 = 16.20 bls

345125 / 894003 G00136 Marshall Co.

LOCATION OF BORING



JOB NO.	CLIENT	LOCATION
6		T. Woods

DRILLING METHOD: Hollow Stem Auger — BORING NO.

SAMPLING METHOD: 5' — SHEET 1 OF 1

DRILLING

					START TIME	FINISH TIME
WATER LEVEL	1500	1635			1200	1700
TIME	22.00	12.50			DATE	DATE
DATE	9/21/10	9/21/10			9/21/10	9/21/10
CASING DEPTH	23'	23'				

DATUM — ELEVATION

DRILLING CONTR. TRI-STATE TESTING

BY M. MANNING DATE 9/22/10 CHK'D BY

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	DEPTH OF CASING	SAMPLE NO / SAMPLE DEPTH	BLOWS/FT. SAMPLER	VAPOR CONCENTRATIONS (PPM)	DEPTH IN FEET	SOIL GRAPH
						0	
						1	
						2	
						3	
						4	
						5	
						6	
						7	
						8	
						9	
						10	
						11	
						12	
						13	
						14	
						15	
						16	
						17	
						18	
						19	
						20	

SURFACE CONDITIONS: Dry, grass, hard gravel, silt 31 12

N 34°51' 25"
W089 40 02" ELEV =

1st return only 2' deep, hard
0-2 Silt, light, dark yellowish Orange
small roots, some organics, mottle

2-6 - top @ 2' same as above w/ color change
mode @ 4ft
silt @ 2 turning to more clay & silt @ 4
increasing moisture @ 5-6 moist, clay
organics increasing, moist

6-11 - silt pale yellowish brown, mottled
moist, increasing organics @ 9-10
sandy silt @ 10-11ft
pale brown @ 6 to mod. yellow brown @ 11
mottling increasing w/ depth, moist

11-16 sandy silt dk brownish color @ 11.8' turning
to silt w/ organics @ 12' back to clay
silty sand @ 15 yellowish orange turning to
mod. clay, silt → orange brown @ 15-16

16-21 clay med. dark orange br. w/ gray turning
to mostly gray clay @ 19 21' sandy
fine w/ silty clay mostly clay, moist @ 21
grayish orange

21-26' moist silty clay, some gravel @ 22'
then sandy - med. orange brown layer,
? 25-26 wet to moist med grain sand

26-31 - Sampler all wet, - coarse sand
orange, brown wet

@ 1500 td inside casing ~22'ft bls
@ 1635 td " " = 12.5 bls ☺

Came back on 9/24/10 @ 0645
WL = 16.21 bls