

WELL CONSTRUCTION LOG L0043 BENTON CO.

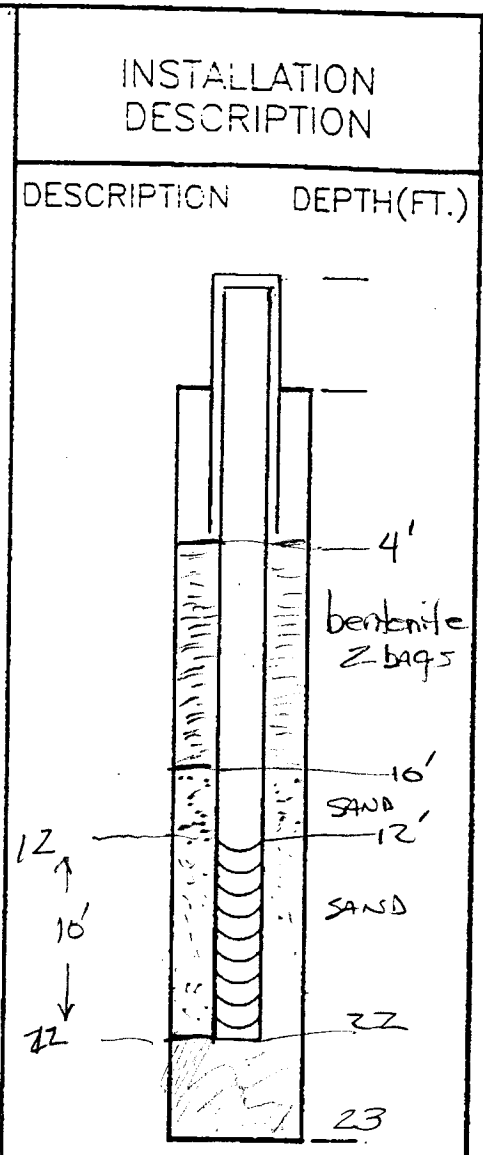
Mr Orman

WELL LOCATION Benton Co.

DATE INSTALLED SEPT 23, 2010

TYPE OF WELL 2" PVC monitor

1. HEIGHT OF CASING ABOVE GROUND FLUSH \emptyset
2. WATER SURFACE ELEV. 5.12 rising
- a) DEPTH TO SATURATED ZONE 13.4
3. TOP OF CASING ELEV. _____
4. PROTECTIVE CASING YES NO
- a) CASING LENGTH 22
5. LENGTH OF SCREEN 10 ft
6. SIZE\TYPE OF SCREEN 0.010 slotted
7. LENGTH OF SUMP _____
8. TOTAL DEPTH OF BORING _____ HOLE DIAMETER _____
9. SCREENED INTERVAL 23 ft
10. TYPE OF SCREEN FILTER PACK COARSE SAND
QUANTITY USED 4 SIZE _____ U/C _____
11. DEPTH TO TOP OF FILTER 10 ft b/s
12. TYPE OF SEAL bentonite pellets
QUANTITY USED 2 bags
13. DEPTH TO TOP OF SEAL 4 ft b/s
14. TYPE OF GROUT No Grout - develop crew
GROUT MIXTURE to concrete flush
METHOD OF PLACEMENT _____
15. COMMENTS mostly in clay, Artesian wells near by



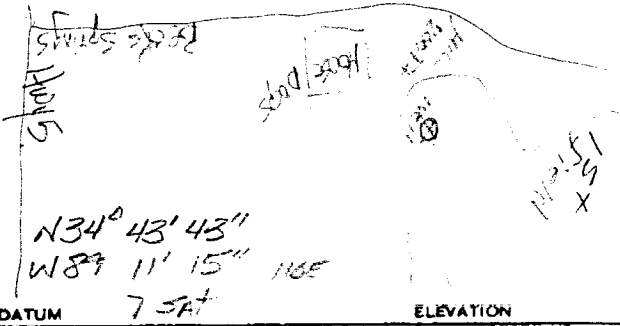
Rough well w/ E-tape N5.2 b/s. After bentonite left hole open @ about 4 b/s for set crew

9/23/10 @ 0930 BENTON L005

DRILLING CONTR. TRI-STATE TESTING

BY M. MAUNING DATE 9/23/10_CHK'D BY

LOCATION OF BORING		JOB NO. Cell 13	CLIENT Orman	LOCATION Benton Co
DRILLING METHOD: HOLLOW STEM			BORING NO.	
SAMPLING METHOD: 5' intervals			SHEET 1 of 1	
AUGER PVC			DRILLING	
WATER LEVEL	11.00	5.81	START TIME	0930
TIME	1020	1100	FINISH TIME	1100
DATE	9/23	9/23/10	DATE	9/23/10
CASING DEPTH	23	22	DATE	9/23/10



SAMPLER TYPE	INCHES DRIVEN RECOVERED	DEPTH OF CASING	SAMPLE NO. DEPTH	BLOWS/FT. SAMPLER	VAPOR CONCENTRATIONS (PPM)	DEPTH IN FEET	SOIL GRAPH	SURFACE CONDITIONS:
						0		
						1		0-3' - soil silt, clay light brown to tan mottled w/ bright orange 1/2" silty clay dry
						2		
						3		3-8' mostly grey to tan clay, mottled w/ orange/red silt/clay termin to light grey clay w/ mottle tanish brown. slightly moist
						4		
						5		8-13' @ 8' same as above turning to brownish clay @ 11' mottled w/ gray clay moist at 13' almost wet @ 13'
						6		
						7		
						8		13-18 AUGER wet @ 15. gray to light gray clay w/ some silt light some mottled tan to light br. sand/silt @ 16-18 wet 13-18
						9		
						10		can hear water running into auger
						11		90MMES = 17.5 inside casing
						12		WLC @ 1020 11.0 bls
						13		18-23' 10YR 5/3 wet all, 10YR 5/1 - clay wet mostly clay sand beginning @ 19 increasing to 23 blow into 22
						14		
						15		4 bags sand pac top @ 10.2
						16		2 bag pellets top @ 4.2 bls
						17		
						18		NO GROUT - too shallow crew next week will top off w/ grout
						19		screen 22-12
						20		WLC @ 1100 5.81 bls rising fairly fast

1/min