

No SAMPLES

25434

DRILLER'S NOTEBOOK

WELL RECORD

Driller TEST DRILLING SERVICE

Address 2500 DRILLING SERVICE

DR. MARYLAND HEIGHTS,
MISSOURI, 63043

Owner CITY OF LOHRVILLE

Tenant _____

Address _____

RETURN TO
IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

RECORD OF PERMANENT CASING

Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level	Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type ^o and Weight of Pipe	DIAGRAM OF WELL
		Depth	Type of Rock								
9-9-78	80'	180/199	GRAVEL SAND	?	-	20"	30'	30	100 SACKS	25"	
9-11-78	80'	396/510	SAND STONE	EST? 1000-1500	-	13 3/8"	202.5	202.5	100 SACKS	54#-375	
	88'	540/543	CLAYE	EST? 2000	-	15 1/8"	620.0	620.0	230 SACK	38#-322	
	88'	543/620	LIMESTONE	EST? 300	-						
	SEALED ALL WATER ABOVE 620 BY PRESSURE GRouting			ABOVE 620							
	88'	620/700	LIMESTONE	EST? 1200GPM							

^oAs cast, wrought iron, steel, concrete, etc.

Is screen used? NO Diameter _____ (Inches)

Length _____ Depth to bottom _____ (Feet)

Depth to top _____ Slot size _____

Are packers or seals used? NO

Kind _____

Where used _____

Kind of pump STARITE Dia. 3 3/4" (Inches)

Capacity of pump 150-225 (g.p.m.)

Power used 330V/3Ø (Kind and amount)

Depth to bottom of pump line 274' feet, including NOIE feet tailpiece.

Remarks on construction of well _____

NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the end of each 100 feet of drilling.

SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	80'	80'	DRIFT, GRAY, SOFT
	80	102	22'	DRIFT w/ GRAVEL, GRAY, SOFT
	102'	120	18'	DRIFT w/ MORE SAND, GRAY, SOFT
	120	127'	7'	COBBLE & GRAVEL ZONE, BROWN GRAY ROUGH DRILLING, MINOR WATER EST 30 GPM?
	127	153'	26'	DRIFT, GRAY, MUCH HARDER THAN UNITS ABOVE 5000' - 10,000' DOWN, PRESSURE REQUIRED
	153'	162'	9'	DRIFT, GRAY, SOFTER THAN ABOVE
	162'	180	18'	DRIFT w/ HIGH GRAVEL & SAND CONTENT, GRAY TO BROWNISH GRAY, SOFT
	180	199'	19'	COBBLES GRAVEL SAND w/ SOME CLAY, REDDISH BROWN GRAY, ROUGH DRILLING
	199'	202.5'	3.5'	SHALE, GRAY, HARD
	202.5'	245'	42.5'	SHALE, GRAY, SOFT
	245'	276	31'	SHALE GRAY TO REDDISH BROWN VARIEGATED HARDER THAN ABOVE BUT STILL SOFT
	276	300	24'	SHALE, BROWN TO REDDISH BROWN VARIEGATED, SOFT
	300	325	25'	SHALE, DARK GRAY TO BLACK, SOFT
	325'	350	25'	SHALE, GRAYISH BROWN TO REDDISH BROWN VARIEGATED, SOFT

SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	350	396	46'	SHALE, BLACK TO DARK GRAY, HARD CARBONACEOUS
	396	510	114'	SANDSTONE, LIGHT GRAY, FINE TO MEDIUM, FRACTURED 1000 - 1500 GPM DISCHARGED W/ AIR CIRCULATION
	510	525	15'	INTERBEDDED CONGLOMERATE & MUDSTONE, REDDISH TO GREENISH GRAY, HIGHLY OXIDIZED, EST. 7-300 GPM ADDITIONAL WATER
	525	540	15'	SANDSTONE, LIGHT GRAY, FINE TO MEDIUM, FRACTURED
	540	543	3'	VOID, APPEARS TO BE IN DECOM- POSED LIGHT BROWNISH GRAY SILT LIMESTONE, DISCHARGED ADDITIONAL 2000 GPM WITH AIR CIRCULATION
	543	620	77'	MISSISSIPPIAN (TRINODIAL) LIME STONE LIGHT GRAY, HIGHLY FRACTURED, HARD, GRADING INTO OOLITIC LIME STONE
	(0)	(620)	(620)	PRESSURE FROTTED BY HALLBURTON METHOD 330 SACKS W/ 4% CALCIUM CHLORIDE. DID NOT BRING GROUT TO SURFACE. NO PRESSURE REQUIRED TO PUMP PLUG.
	(GROUTING RECORD)			

