#26625

WELL RECORD

Well is located 1 miles N E and 1 miles N E from W W

Marshalltown in Marshall
(Nearest Town) (County),

in the ¼ ¼ Sec. T. R.

Owner City of Marshalltown Well No. 6

Postoffice address Water treatment plant

Contractor Layne Western Co Inc

Address Ames, Iowa

Driller Mark Evans

Well begun May 18, 1981;

completed June 24, 1981

Rig used—Cable, Rotary, Jet, or Cable tool

Depth of well 148'
(Feet)

Size of hole (note total amount of each size) 97'
of 20"; 16" from 97' to 148' = 51'

Main water supply at 97' to 132'
(Feet below surface)

Final water head 17' below
(Feet above or below surface)

Is well pumped? yes

Yield 1002
(Gallons per minute)

Water level when pumping 44'

Position of well river valley; flatlands
(Upland, valley, side hill, etc.)

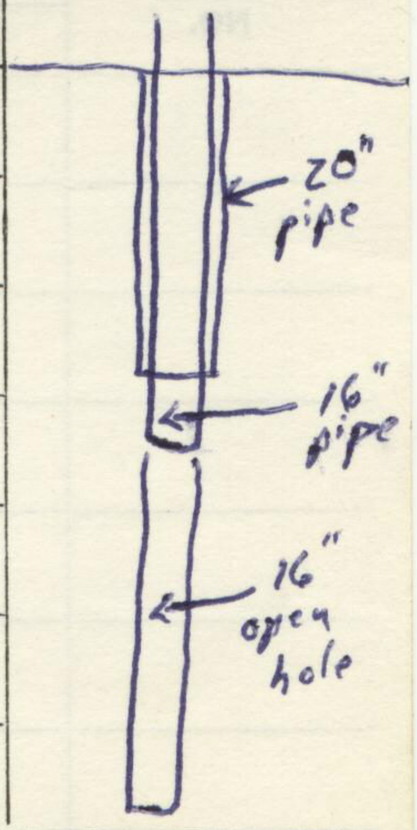
Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
		Depth	Type of Rock		
8:00 AM 5/22/81	10'	45'	sand & gravel	—	—
8:00 AM 5/28/81	36'	95'	broken limestone	—	—
8:00 AM 6/2/81	42'	98"	broken limestone	—	—
8:00 AM 6/8/81	37'	115'	limestone	—	—
6/24/81	17'	148'	limestone	100±	41'
Note: Static water level while drilling (37' ±) was influenced by nearby well being pumped.					

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.

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe
16"	106'	105'	+1'	steel
20"	97'	97'	0	steel

DIAGRAM OF WELL



*As cast, wrought iron, steel, concrete, etc.

Is screen used? no Diameter _____ (Inches)

Length _____ (Feet) Depth to bottom _____

Depth to top _____ Slot size _____

Are packers or seals used? no

Kind _____

Where used _____

Kind of pump turbine Dia. 14" (Inches)

Capacity of pump 3000 (g.p.m.)

Power used Detroit Deisel 671 engine (Kind and amount)

Depth to bottom of pump line 100 feet,

including _____ feet tailpiece.

Remarks on construction of well _____

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	4	4'	black topsoil
	4	49	45'	sand and gravel with cobbles
	49	85		gray clay
	85			broken very broken limestone w/
		90	5'	clay, sand, and gravel intermixed
	90	132	42'	brown, med. hard limestone
	132	143	10'	gray, soft limestone
	143	148	5'+	blue-gray shale