



Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of Job Town of Gilbert Date 4-2-72
 City or Village Gilbert, State Iowa
 Well No.: 3 Drillers: Rich Pejsha
 Well Location: _____ ft. (____) and _____ ft. (____) of the _____ corner of
 Section _____, Twp. _____ (____), Range _____ (____) County.
 Otherwise located as two miles west of Gilbert

Work Began: _____ Work Completed: _____ Well Depth: _____
 All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material
<u>19'</u>	<u>16"</u>	<u>3/8 wall</u>	<u>Std. pipe with welded joints from 133 to 152</u>
<u>103' 3"</u>	<u>16"</u>	<u>3/8 wall</u>	<u>Std. pipe with welded joints from 5' above ground to 98'</u>

Screen Record: Type 18-8 Layne Shutter

Amount	Dia.	Opening	Material
<u>5'</u>	<u>16"</u>	<u>#6</u>	<u>SS with welded joints from 152 to 157</u>
<u>35'</u>	<u>16"</u>	<u>#6</u>	<u>SS with welded joints from 98 to 133</u>

Type of Seal at Bottom SS plate

Hole Record:

48" inch from 0 to 20'
42" inch from 20 to 157' - 3"

Gravel Pack Record:

Amount	Size	Source	From	To
<u>50 ton</u>	<u>#2</u>	<u>Northern Sand & Gravel</u>	<u>80'</u>	<u>156'</u>

Cementing Record: Concrete from 0 - 20'Backfill Record: Clay from 20' - 80'

WELL LOC

REMARKS:



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Job.....City of Gilbert..... Well no.....3..... Date Tested.....3-29-72
 Location.....2 miles West of Gilbert..... Tested By.....Rich Pejsha
 Dia. of Well.....16"..... Driver.....Gasoline engine
 Depth of Well.....157' - 3"..... Pump Used:.....Column and Shaft.....6" x 1½"
 Length of Airline.....100'..... Bowls.....12"-4 Stage-Water lube - RKLC
 Non-Pumping Level.....12'..... Manufacturer.....Layne
 Orifice Size.....5" x 6"..... Serial No.....Pump run at 1,000 R.P.M.

Time	Pizometer Reading (in.)	G. P. M.	Air Gauge Reading (feet)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Obs. Hole-27' from well Remarks
						Lbs.	Feet		
8:00	--	---	88	12	--				11'
8:02	6.5	316	82	18	6				12'-4"
8:04	6.5	316	82	18	6				12'-7"
8:06	6.5	316	82	18	6				12'-8"
8:08	6.5	316	82	18	6				12'-9"
8:10	6.5	316	82	18	6				12'-9"
8:12	6.5	316	82	18	6				12'-9"
8:15	6.5	316	82	18	6				12'-9"
8:20	6.5	316	82	18	6				12'-9"
8:25	6.5	316	82	18	6				13'0
8:30	6.5	316	82	18	6				13'0
8:35	6.5	316	82	18	6				13'1"
8:40	6.5	316	82	18	6				13'-1"
8:45	6.5	316	82	18	6				13'-1"
8:50	6.5	316	82	18	6				13'-1"
8:55	6.5	316	82	18	6				13'4"
9:00	6.5	316	82	18	6				13'6"
9:30	6.5	316	81	19	7				13'9"
10:00	6.5	316	81	19	7				13'9"
11:00	6.5	316	81	19	7				14'-0
12:00	6.5	316	81	19	7				14'-3"
1:00	6.5	316	81	19	7				14'-3"
2:00	6.5	316	81	19	7				14'-5"
3:00	6.5	316	81	19	7				14'-6"
4:00	6.5	316	81	19	7				14'-7"



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Job.....	Town of Gilbert	Well no. 3.....	Date Tested.....	3-29-72 & 3-30-72
Location.....	2 miles west of Gilbert		Tested By.....	Rich Pejsha
Dia. of Well.....	16"		Driver.....	Gasoline Engine
Depth of Well.....	157' - 3"	Pump Used:	Column and Shaft.....	6" X 1½"
Length of Airline.....	100'		Bowls.....	12"-4 Stop- Water lube-RKIC
Non-Pumping Level.....	12'		Manufacturer.....	Layne
Orifice Size.....	5" x 6"		Serial No.....	Pump run at 1,000 R.P.M.

[illegible]

CUSTOMER

Layno Western Company

DATE

4-30-72

ADDRESS

Ames, Iowa

GILBERT, IOWA

SAMPLE NUMBER		72158				
DATE COLLECTED		3-29-72 by Rich Pejsha				
DATE RECEIVED		4-18-72				
SAMPLING POINT		Well #3				
CALCIUM	PPM AS	192				
	CACO3					
MAGNESIUM	PPM AS	118				
	CACO3					
SODIUM	PPM AS	117				
	CACO3					
ALKALINITY (M)	PPM AS	414				
	CACO3					
ALKALINITY (P)	PPM AS	0				
	CACO3					
SULFATE	PPM AS	6				
	CACO3					
CHLORIDE	PPM AS	7				
	CACO3					
TOTAL HARDNESS	PPM AS	310				
	CACO3					
NON CARBONATE HARD	PPM AS	0				
	CACO3					
FREE CARBON DIOXIDE	PPM AS	54				
	CO2					
IRON	PPM AS	2.42				
	FE					
MANGANESE	PPM AS	0.2				
	MN					
SILICA	PPM AS	-----				
	SIO2					
pH		7.2				
TURBIDITY JTU	PPM AS	9.5				
	"SDY"					
COLOR	AWWA	----				

REMARKS:

Dennis DeBoer

CHEMIST

NKS

JOB NAME City of Gilbert

Address _____

City, State Gilbert, Iowa

DATE 04/ 29/ 93 Job Completion
Month Day Year

PUMP NO. 115179 Oil-Water Lube
Pump Trouble scheduled maintenance New Repair

PUMP SIZE

	DIAMETER	LENGTHS
Discharge	6" <u>Above</u> <u>Below</u>	X
Column	6" <u>Screw</u> <u>Flange</u>	2 - 5' 9 - 10'
Tubing	—	
Shaft	1" <u>Stainless</u> <u>Carbon</u>	2 - 5' 9 - 10'

Column setting to bowl 100 ft.

BOWL

Diameter 8" Shaft Diameter 1 3/16"

Type PRH Stages 6

Cast Iron or Bronze

Suction 6 " Diameter 3 Ft. Long

Special Paint or Coating on: _____ Zinc Sleeves in: _____

Column _____

Tubing _____

MOTOR OR GEAR DRIVE

Make U.S. HP 15

Speed 1750 Volts 230

Or Gear Drive Ratio _____ Standard Combination

Frame Size _____ Non-Reverse Yes No

Running Amps. 38-38-40

Running Volts 220-220-220

Serial No. R 8370-00-D-845

WELL

No. 3 Year Drilled 1974

Location 1 mile west of town

Diameter 16" Depth 160'

Measured from top of 16 " diameter casing which is
2 feet above ground

Tape to Water 15'

Air Line Length 100' A.L. Material Toro

Static Gage 85' Static Level 15'

Pumping Gage 80' Pumping Level 20'

Discharge Pressure 50 lbs. ~~F88~~ when pumping into System

INSTALLER D. Osterhout

Rig Used 12R

Foreman Hours to Rig Up _____ To Pull _____

Inspect _____ Repair _____ To Set _____

PUMP REPAIR

CONDITION OF PUMP WHEN PULLED	NEW PARTS INSTALLED
Column <u>OK</u>	Column _____
Tubing _____	Tubing _____
Shafting <u>OK - base shaft worn</u>	Shafting <u>1-1" x 4' 10 3/4" carbon shaft</u> <u>1- 1" x 1 3/16" jump coupling</u>
Bowl _____	Bowl <u>1-8" PRH 6 stage</u>
Suction _____	Suction _____
MACHINE WORK _____	1. DRAIN PORTS OPEN <u>Yes</u> <u>No</u> 2. CHLORINATE WELL <u>Yes</u> <u>No</u> 3. PUMP RUNS _____ 4. ALIGN PUMP HEAD WITH DIAL INDICATOR <u>Yes</u> <u>No</u> 5. GROUTED HEAD-BASE PLATE <u>Yes</u> <u>No</u>