

Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of Job Town of Adel	Date
City or Village Adel	StateIowa
Well No.: 2 Drillers: Mille	r - LaFontaine
Well Location:ft. () and	ft. () of thecorner of
Section, Twp(), Range_	County.
Otherwise located as	
Work Began:Work Comp All measurements made from ex Casing Record:	leted:Well Depth:isting ground level at time well was drilled.
Amount Dia. Wt. or Thickness Mater	ial
42.5 12" 0.375" Steel	with welded joints from +10 to 32.5
	withjoints fromto
Screen Record: Type Layne Shutter	
Amount Dia. Opening Materi	
12 16" No. 6 S.S.	with welded joints from 32.5 to 44.5
	withjoints from to
Type of Seal at Bottom 1/2" Steel pl	ate
Hole Record:	
	to44.5!
inch from	to
Gravel Pack Record:	
Amount Size	Source From To
1/8 x 1/4 Pasco	Pit 9' 44.5'
Cementing Record:	
Backfill Record:	
LW- 33 SE	E OTHER SIDE

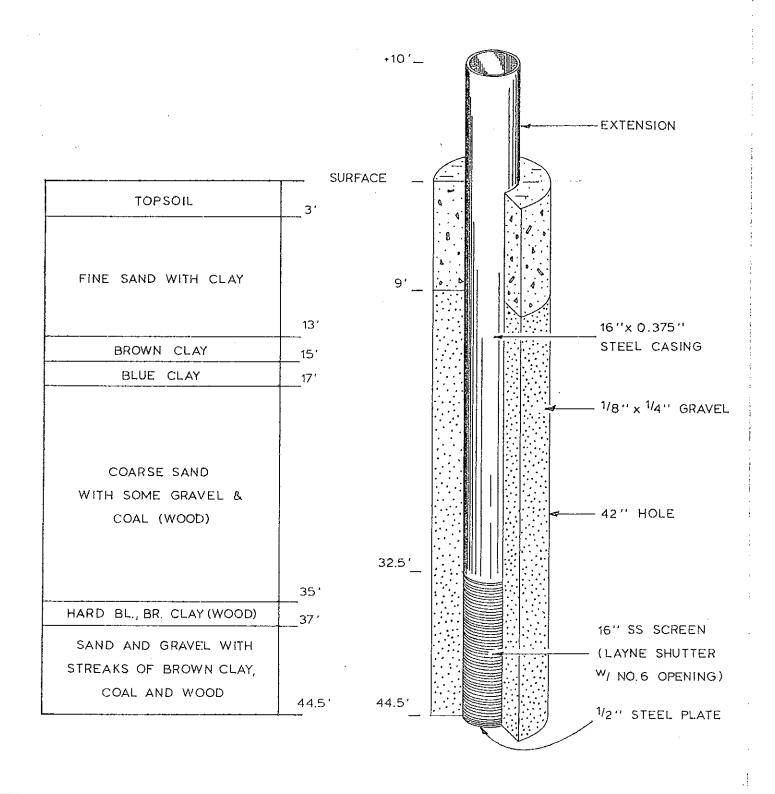
WELL LOG

0	_ to _	3	Topsoil
3	_ to _	13	Fine sand with clay
13	_ to _	15	Brown Clay
15	_ to _	17	Blue Clay
17	_ to _	35	Coarse Sand with some gravel and coal (wood)
35	_ to _	37	Hard Blue and Brown Clay (wood)
37	_ to _	44.5	Sand and gravel with streaks of brown clay, coal and
	_ to _	<u>. </u>	wood
	_ to _		
	to.		,
	_ to _		
			· ·
Well Test	_ to = t Dat	a: Static	Level 11'; pumping level 20½' after 24 hours pumping at 602 g.p.m.
			hrs. See Well Test Data Sheet Dated 9/2/69
REMARK			SC= 63.4 8Pm/ft.

LW Co. Inc., Ames, Ia.

GEOLOGICAL LOG

CONSTRUCTION DETAIL





LW-35

Layne-Western Company, Inc.

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AMES, IOWA 50010

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JobC	ity of A	Adel, Iowa		Well no	2	Date 7	rested	9-2-69	
Locatio	n Adel,	, Iowa	,			Teste	d By	H. Beal	
Dia. of	Well	***************************************				Drive	r Ga	s Engine	
Depth o	of Well	441 6"		Pump	Used:	Colun	nn and S	haft 6" x	1 1/2"
Length	of Airline	301		-		Bowl	s		
		el11 t				Manı	ıfəcturer		
		' on 6" pi							
	1		f	· 	1		Pressure	1	I
Time	Pizometer Reading (in.)	G. P. M.	Air Gauge Reading (feet)	Pumping Level	Drawdown	Lbs.	Feet	Total Pumping Head	Remarks
12 Noon	24.5"	602	19'	111		40			1-9' on O.Hole
1:00P	24.5"	602	9.51	20.5	9.51	40	ļ		2-8'8" on 0.Hole
2:00	24.5"	602	9.51	20.5	9.51	40			pumping test
3:00	24.5"	602	9.51	20.5	9.51	40	 		Clear
4:00	24.5"	602	9.51	20.5	9.51	40			Clear
<u>5:00</u>	24.5"	602	9.51	20.5	9.51	40	ļ		Clear
_6:00	24.5"	602	9.51	20.51	9.5'	40			Clear
7:00	24.5"	602	9.51	20.5	9.51	40			
8:00	24.5"	602	9.51	20.51	9.51	40			
9:00	24.5"	602	9.51	20.5	9.51	40			
10:00	24.5"	602	9.51	20.5	9.5'	40	<u></u>		
11:00	24.5"	602	9.51	20.51	9.51	40			
12 Mid.	24.5"	602	9.51	20.5	9.51	40	ļ		
<u>1:00A</u>	24.5"	602	9.51	20.51	9.51	40			
2:00	24.5"	602	9.51	20.5	9.51	40			
3:00	24.5"	602	9.51	20.5	9.51	40			
4:00	24.5"	602	9.51	20.51	9.51	40	1		
5:00	24.5"	602	9.51	20.5	9.51	40			
6:00	24.5"	602	9.51	20.51	9.51	40	ļ		
									13 14 15
							}		:
			<u> </u>			-			
							<u> </u>		

WATER ANALYSIS REPORT

GENERAL FILTER COMPANY AMES, IOWA

WATER ANALYSIS REPORT

DUSTOMER Layne-Western Company DATE 9-4-69

Ames, lowa ADDRESS

Adel, low	/a				-1	
SAMPLE NUMBER		69432				
DATE COLLECTED		9-3-69				
DATE RECEIVED		9-3-69				
SAMPLING POINT		Well #2 Pu	mp discharge			
	Ву	Jim Anderso	n			
CALCIUM	PPM AS CACO3	216				
MAGNESIUM	ZA M99 EDDAG	124				
SODIUM	PPM AS CACO3	33				
	PPM AS					
ALKALINITY (M)	CACO3	336				
ALKALINITY (P)	CACO3	0				
SULFATE	CACD3	26				
CHLORIDE	CADD3	11				
	PPM A5					
TOTAL HARDNESS	CACO3	340		· ·		
NON CARBONATE HARD	CACO3 PPM AS	4				
FREE CARBON DIOXIDE	CD2 PPM AS	60				
IRON	FE PPM AS	1.90				
MANGANESE	MN PRA AS	0.35				
SILICA	SiO2	land freel pang				
гH		7.0			(6) (6)	As a Co
TURBIDITY JTV	FF75= ≠6 =5: □ 24	14.5			White.	, s. (40) El
COLOR	AWWA	====			[65] W. (1)	
REMARKS:					L Con	1100

Alan Spohnheimer CHEMIST



Layne-Western Company, Inc.

JOB NAME	City of	Adel	
Address			
City, State_	Ađel, IA	1	
DATE	08-04-92 Vonth D	ay Year	Job Completion
			XXI-Water Lube XXXV-Repair
Pump Troub Well reh maintena	<u>abilitati</u>	on & 8 yr.	pump
PUMP SIZE	W. W. C.		
	DIA	METER	LENGTHS
Discharge	6	Above Below	6" χ 5 '
Column	6	Screw Flange	2-10' 2-5'
Tubing			
Shaft	1	Stainless Carbon	
Column sett	ing to bowl _	35 ft.	
BOWL			
Diameter _	9	_ Shaft Diam	eter <u>1 1/2</u>
Туре		Stages _	5
Cast Iro	n)or Bronze		
Suction	6	_" Diameter_	5 Ft. Long
Special Pa	int or Coatin	g on: Z	inc Sleeves in:
Column.			

PUMPINSTALLATION

MOTOR OR GEAR DRIVE
Make <u>US</u> HP <u>30</u>
Speed <u>1750</u> Volts <u>240</u>
Or Gear Drive Ratio Combination
Frame Size 286TPH Non-Reverse — Yes 👯
Running Amps. <u>75–76–78</u>
Running Volts 240
Serial NoR212236407
WELL
No. 2 Year Drilled
Location
Diameter 12' Depth 52'
Measured from top of" diameter casing which is
feet above ground
Tape to Water
Air Line Length 35 A.L. Material Toro
Static Gage 18' Static Level 17
Pumping Gage Pumping Level
Discharge PressureFeet when pumping into System
INSTALLER T. Peters
Rig Used
Foreman Hours to Rig Up To Pull
Inspect Repair To Set

PUMP REPAIR	
CONDITION OF PUMP WHEN PULLED	NEW PARTS INSTALLED
Column Bad threads, washed out	Column All new
Tubing N/A	Tubing
Shafting Needs sleeves	_ Shafting New sleeves, new motor drive
Bowl To shop for inspection	Bowl Bearings, wear rings & bowl shaft l new impeller
Suction shot	Suction New 5' pipe
MACHINE WORK	1. DRAIN PORTS OPEN Yes No 2. CHLORINATE WELL Yes No 3. PUMP RUNS smooth
	_ 4. ALIGN PUMP HEAD WITH DIAL INDICATOR Yes No 5. GROUTED HEAD-BASE PLATE Yes (No)