35277

Well Information—Drift We

Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE. AMES, IOWA 50010

Phone 515 232-3563

Name of Job City of Albion Date 9/18/77

City or Village Albion, Iowa State Iowa

Well No.: 3 Drillers: Bob Miller

Well Location: 250 ft. (S.) and 66 ft. (E.) of the NW corner of

Section 7, Twp. T-84 (N), Range R-18 (W) Marshall County.

Otherwise located as South of city, off E-29

Marietta Township

Work Began: 9/5/77 Work Completed: 9/18/77 Well Depth: 19.0 Ft.

All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material					
7.3'	8"	SCH. 40	Steel	with	joints from	874.0	to	866.7
10'	24"	CMP		with	joints from	888.5	to	878.5

Screen Record: Type Johnson-Layne

Amount	Dia.	Opening	Material					
5.0'	8"	0.130	S.S.	with	joints from	866.7	to	861.7
Pitless Adapter White Water Su 8-3-13.5				with	joints from	889.5	to	874.0

Type of Seal at Bottom S.S. Plate

Hole Record:

30 inch from Surface to 19.0' (861.7)

_____ inch from _____ to _____

Gravel Pack Record:

Amount	Size	Source	From	To
3.9 Tons	MI-1 Pea gravel	Hallett-Ames	875.7	861.7

Cementing Record: 888.5 (Top of 24" CMP) to 875.7

Backfill Record: None

WELL LOG

Feet		Feet	Description
0	to	1.0	Top soil dark brown
1.0	to	8.0	Sandy silty clay, gray-brown
8.0	to	14.0	Medium to coarse sand, brown
14.0	to	19.0	Medium to fine sand, brown
	to		(Trace gravel)
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Well Test Data: Static Level Gnd. Level 7.0; pumping level 9.0' after 24 hours pumping at 162 g.p.m.

Length of test 24 hrs. See Well Test Data Sheet Dated 9/17/77, 9/18/77

REMARKS:

WELL NO. 3

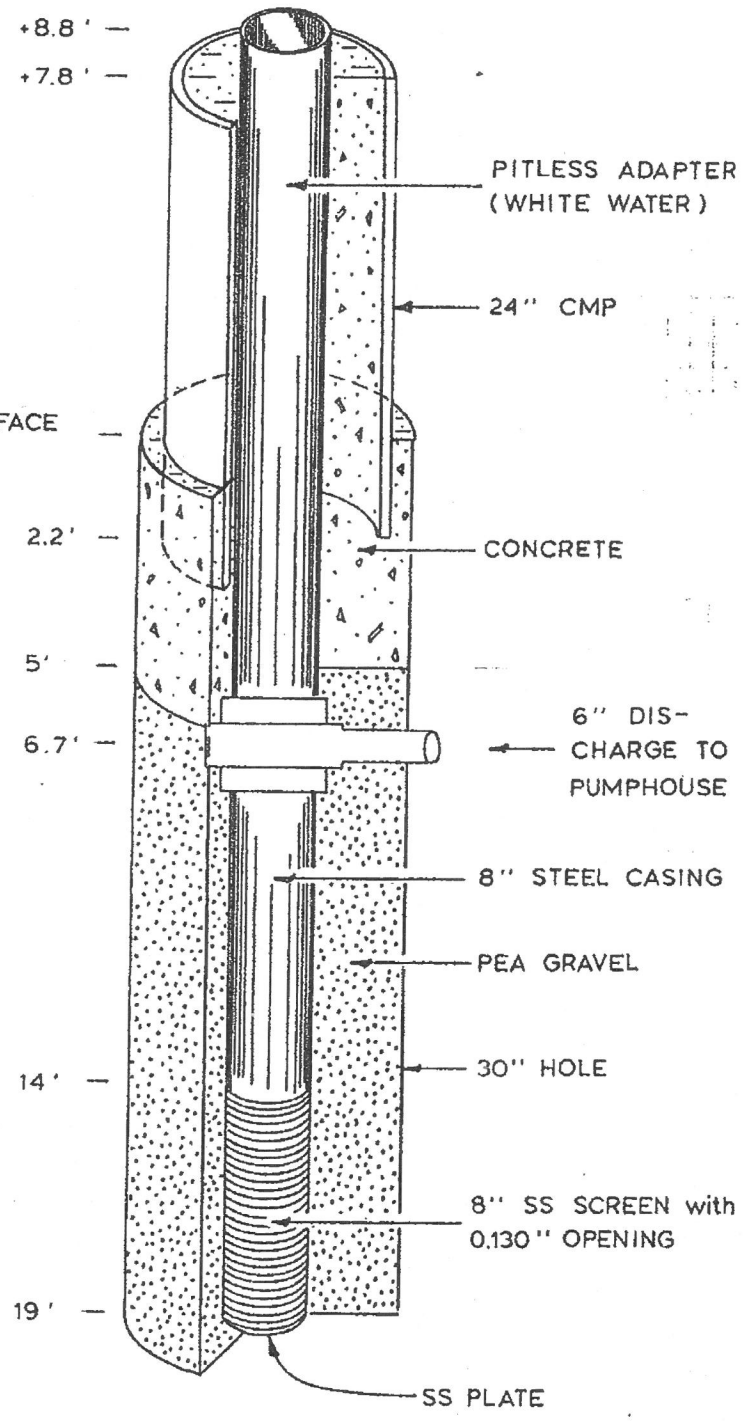
CITY OF ALBION

LW Co. Inc., Ames, Ia. ALBION , IOWA 9-77

GEOLOGICAL LOG

DARK BROWN TOP SOIL	1'
GRAY BROWN SANDY SILTY CLAY	8'
MEDIUM TO COARSE BROWN SAND	14'
MEDIUM TO FINE BROWN SAND (TRACE GRAVEL)	19'

CONSTRUCTION DETAIL



SUBMERSIBLE

PUMP INSTALLATION REPORT

Layne-Western Company

JOB NAME: City of Albion
Address: 107 South Main Street, P.O. Box 219
City,State: Albion, Iowa 50005-0219

DATE: 3-1-96 Job Completion

PUMP NO: 9549 (New) Repair
Pump Trouble: Old pump and motor failed.

PUMP SIZE	DIAMETER	LENGTHS
Discharge	3" (Above / Below)	
Column	3" (Screw / Flange)	1 x 5.5' x
Pitless Unit	8" x 10"	

Column setting to bowl: 5.5 ft.

BOWL:
Manufacturer: Grundfos
Diameter: 6" Shaft Diameter: 1"
Type: 135S100 No. Stages: 6
Bowl Length: 34-1/2" Bowl Material: Stainless
Check valve in column: (Yes) / No Size: 3"
Submersible cable size: #6
Special paint, coatings, zinc sleeves, etc:

MOTOR OR GEAR DRIVE:
Make: Franklin HP: 10
Speed: 3450 rpm Volts: 230
Diameter: 6" Length: 25-1/2"
Serial # 21-0019
Amperes: 28.4 Volts: 230

Megger Check:

	On Ground			Installed In Well		
Motor leads	∞	∞	∞	∞	∞	∞
Cable leads	∞	∞	∞	∞	∞	∞

WELL:
No: 3 Year Drilled: 1968
Location: Southwest of town, south of HWY 330
Diameter: 8" Depth: 28'
Measured from top of 10 " diameter casing which is 10 feet above ground

Tape to water: 15'
Airline length: 25' A.L. Material: ¼" PVC

Static Gauge: Static Level:
Pumping Gauge: Pumping Level:
Disch. Pressure: psi when pumping into system at gpm.

INSTALLER: Jim Kneifl
Rig Used: 10T92 Pump Rig

PUMP REPAIR

CONDITION OF PUMP WHEN PULLED	NEW PARTS INSTALLED
Column: Bad	Column: 1 - 3" x 5' 6" galvanized drop pipe 1 - 3"M x 3"F bronze check valve
Bowl: Bad	Bowl: Grundfos, 135S100, 6 stage bowl assembly
Motor: Bad	Motor: Franklin, 10 HP, 230 volt, 3 phase motor 20' - #6 submersible pump cable
Pitless:	Pitless: 2 - pitless unit "o" rings
MACHINE WORK:	1. DRAIN PORTS OPEN — Yes (No) 2. CHLORINATE WELL — (Yes) No 3. ALIGN PUMP HEAD WITH DIAL INDICATOR — Yes (No) 4. GROUTED HEAD-BASE PLATE — Yes (No) 5. PUMP RUNS — (Good) / Fair / Bad