



WATER · MINERAL · ENERGY

86087 -

WELL INFORMATION - ROCK WELLS

Layne Christensen Company

PROFESSIONAL SERVICES FOR WATER SYSTEMS

721 West Illinois Avenue • Aurora, Illinois 60506-2892 • Phone 630/897-6941
229 West Indiana Avenue • Beecher, Illinois 60401 • Phone 708/946-2244

Name Of Job Prestage Foods of Iowa Date 07/11/17

City Eagle Grove State Iowa

Well No. 1 Drillers Harold Waydell/Bob Isaacson

Well Location ft. ( ) and ft. ( ) of the corner of
the 1/4 of Section 21 ,Twp. 90 ( North ), Range 26 ( West ) Wright County

Otherwise located as NE 1/4 NW 1/4 SW 1/4

3183 Highway 17, Eagle Grove, Iowa

Work Began: March 8, 2017 Work Completed: June 28, 2017

Table with 9 columns: Amount, Dia., Wt. or Thickness, Material, with, Joints from, to, Amount. Rows include casing details like 40' 38" 0.375" Black Steel with no joints from +2' to 36'.

Hole Record table with 5 rows showing hole diameters (42", 37", 31", 25", 16") and depths (0', 36', 178', 555', 1,508') to 1,988' bottom of hole.

Cementing Record: 38" cemented using Type I Portland from 36' (130 sacks) ; 32" cemented using Type I Portland cement from 150' (426 sacks);

26" x 20" long string casing with 26"x20" concentric reducer cemented using neat cement (1185 sacks) of Portland Type I Cement

Well Test Data: Static Level ft ; pumping level after hours pumping at g.p.m.

Length of test hrs. See Well Test Data Sheet Dated

Remarks

Layne Job No. 44560 Well Permit No.:

7-11-2017

## WELL LOG

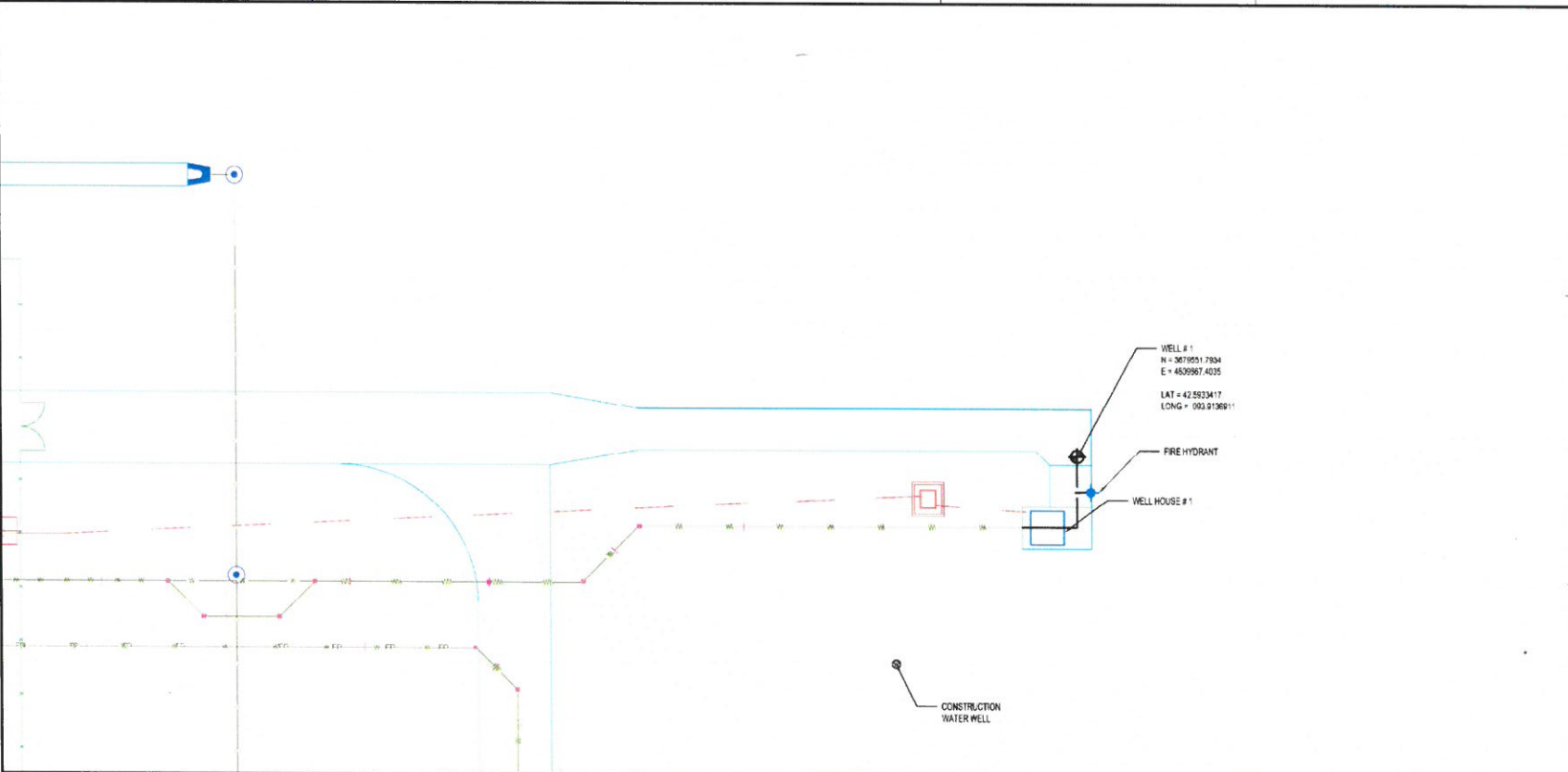
Feet	Feet	Description
0	to 3	Top soil
3	to 17	Clay
17	to 82	Gray clay w/ sand seams
82	to 131	Black shale
131	to 173	Blue soft shale
173	to 303	Tan soft shale
303	to 311	Black hard shale
311	to 450	Tan hard limestone w/ sandstone seams
450	to 480	Gray limestone
480	to 525	Gray limestone w/ some shale
525	to 590	Gray limestone
590	to 595	Gray and brown limestone
595	to 605	Gray limestone
605	to 620	Gray limestone/shale mix
620	to 630	Gray limestone
630	to 635	Gray and brown limestone
635	to 775	Gray limestone and shale
775	to 835	Gray limestone
835	to 920	Gray limestone and shale mix
920	to 930	Gray limestone
930	to 990	Shale
990	to 1055	Gray limestone with some shale
1055	to 1130	Limestone
1130	to 1165	Sandy shale
1165	to 1300	Sandy Dolomite
1300	to 1395	Shale
1395	to 1425	Green Shale
1425	to 1436	Sandstone
1436	to 1463	Sandstone with some shale

## WELL LOG

Feet	to	Feet	Description
1463	to	1489	Dolomite with some hard black and soft tan shale
1489	to	1530	Dolomite
1530	to	1534	Tan sandstone
1534	to	1538	Gray limestone
1538	to	1542	Brown limestone
1542	to	1545	Gray limestone
1545	to	1554	Brown limestone
1554	to	1556	Light grey limestone
1556	to	1559	Sandstone
1559	to	1561	Limestone mix
1561	to	1568	Sandstone
1568	to	1571	Sandstone/limestone mix
1571	to	1576	Tan and brown limestone
1576	to	1597	Tan and brown limestone with sandstone
1597	to	1611	Tan limestone with brown sandstone
1611	to	1617	Light tan sandstone
1617	to	1654	Gray limestone
1654	to	1659	Limestone with some sandstone
1659	to	1668	Hard gray limestone
1668	to	1693	Sandy limestone
1693	to	1802	Gray limestone with some darker gray streaks
1802	to	1809	Gray sandy limestone with gray fine grain sandstone
1809	to	1812	Gray sandstone
1812	to	1829	Tan sandstone
1829	to	1832	Hard gray sandstone
1832	to	1837	Tan sandstone
1837	to	1838	Hard gray sandstone
1838	to	1862	Tan sandstone
1862	to	1868	Gray and tan sandstone mix with some limestone
1868	to	1874	Sandy gray limestone

# WELL LOG

Feet		Feet	Description
1874	to	1943	Hard gray limestone
1943	to	1988	Hard gray limestone with brown streaks



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PROJECT  
**PRESTAGE FOODS OF IOWA, LLC**  
**WATER SYSTEM**

EAGLE GROVE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-19417
CAD FILE NAME	161717 PRESTAGE WELLS PROJECT
DRAWN BY	-
DESIGNED BY	-
REVIEWED BY	-
ORIGINAL ISSUE DATE	07/13/17
CLIENT PROJECT NO.	-

TITLE  
**WELL LOCATIONS**

