



Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of Job City Water Dept. Date 4-30-82City or Village Perry State IowaWell No.: 20 Drillers: Gale McIntosh

Well Location: _____ ft. (____) and _____ ft. (____) of the _____ corner of

Section _____, Twp. _____ (____), Range _____ (____) Dallas County.

Otherwise located as _____

Work Began: March 16th Work Completed: 5-7-89 Well Depth: 132'

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

Casing Record:

Amount	Dia.	Wt. or Thickness	Material
<u>121'</u>	<u>16"</u>	<u>375</u>	<u>steel</u> with <u>welded</u> joints from <u>121'</u> to <u>0'</u>
_____	_____	_____	with _____ joints from _____ to _____

Screen Record: Type Johnson

Amount	Dia.	Opening	Material
<u>10'3"</u>	<u>16"</u>	<u>0.50</u>	<u>S.S.</u> with <u>welded</u> joints from <u>131'3"</u> to <u>121'3"</u>
_____	_____	_____	with _____ joints from _____ to _____

Type of Seal at Bottom S.S. Plate welded.

Hole Record:

412" inch from 0' to 132'

_____ inch from _____ to _____

Gravel Pack Record:

Amount	Size	Source	From
<u>#2</u>	<u>2</u>	<u>Northern</u>	<u>132'</u> <u>87'</u>

Cementing Record: 8 sacks per yard, 6 gal of water per sack & 3 lbs

of Layrite per sack, from 80' to

Backfill Record: 3' clay & Layrite from 87' to 80'



WELL LOG

Feet	Feet	Description
0	2	Black top Soil
2	17'6"	Brown sand fine to med.
17'6"	23'	Blue Gray till w/Boulders.
23'	33'	med to coarse sand, within till lenses & Boulders.
33'	78'	Blue Gray till w/Boulders.
78'	79'	Brown till
79'	82'	Blue Gray till w/Boulders
82'	82'6"	Coal
82'6"	84'6"	Blue Gray till w/Boulders.
84'6"	110	Fine sand to med gravel /with Boulders.
110	126	Fine sand
126	132	Fine sand w/ thin till Lenses
	132	Bed Rock

Well Test Data: Static Level 100 ; pumping level 105 after 24 hours pumping at 302 g.p.m.

Length of test 24 hrs. See Well Test Data Sheet Dated 5-7-82

REMARKS:

[illegible]

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
16"			0'		
16"				S.S. Tub. Green	

4 1/2"
Bore
hole

16"
casing

cement
to within
10'
of ground

clay
+ Bentonite
seal

Gravel
pack

Screen

Is screen used? Yes Diameter 16
(Inches)

Length 10' Depth to bottom _____
(Feet)

Depth to top----- Slot size .50

Are packers or seals used? Yes

Kind Welded SS

Where used bottom

Kind of pump----- Dia.-----
(Inches)

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

Power used _____
(Kind and amount)

Depth to bottom of pump line-----feet,
including-----feet tailpiece.

Remarks on construction of well. Top sand
& Till very coarse

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	0	2	2
	2	17'6"	15'6"
	17'6"	23'	5'6"
	23'	33'	10'
	33'	78	5'
	78	79	1'
	79	82	2 3'
	82'	82'6"	8 6"
	82'6"	84'6"	2'
	84 6"	89	4'6"
	89	110	
	110	126	
	126	131.	

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
Black Top Soil	
Brown Sand Fine to med.	
Blue Gray Till. w/Boulders	
Med. sand to Fine gravel with	
Thin till lenses w/Boulders	
Blue Gray Till w/Boulders	
Brown Till	
Blue Gray Till w/Boulders	
Coal.	
Blue gray till w/Boulders.	
Fine + med. sand.	
Sand to small gravel w/Boulders	
Fine sand w/Boulders	
Fine sand w/Thin Till Lenses	