6"	121'5"	345'6"	224'1"			

Driller _____ From Surface to _____ feet

Driller _____ From _____ feet to _____ feet

Driller _____ From _____ feet to _____ feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION	TOTAL DEPTH FEET
10	Top soil & clay	10
5	Sandy yellow clay(some gravel) Little water	15
55	Blue clay	70
10	Gray shale	80
5	Brown shale	85
7	Dark gray shale(little water	92
2	Coal	94
41	Gray shale	135
5	Light gray shale	140
25	Dark gray shale	165
10	Light gray shale	175
5	Gray lime	180
10	Light gray shale	190
20	Dark shale(lime streaks) Little water	210
2	Coal	212
20	Gray lime	232
18	Gray shale(lime streaks)	250
2	Gray lime	252
8	Gray shale	260
7	Hard sand rock Little water	267
20	Cemented sand Little water	287
11	Hard sand rock	298
17	Brown lime	315
10	Gray lime	325
5	Coarse gray lime Some water	330
5	Hard lime	335
5	Gray lime(fairly coarse) Some water	340
2	Coarse gray lime Some water	342
3	Gray shale	345
6"	Brown lime	345'6"

B-1-3

THORPE BROTHERS WELL COMPANY

2340 Sixth Avenue

DES MOINES, IOWA

Drilled for Town of Dawson *at* Dawson, Ia.

Drilling started Dec. 26th *19* 38 *Completed* Jan. 23rd *19*39

Well No. 1 *Kind of Well* Drilled *Depth* 345'6" *Size hole started* 12 *in.*

Finish 8" *G. P. M.* 15 *Static head* 150' *Drawdown* 118'

Water was first encountered at _____ *in* _____ *Approximate Amount* _____

Remarks First test made at 300' Pump set at 256' Static head 160'

Drawdown 90'-11GPM

RECORD OF PERMANENT PIPE					TEMPORARY PIPE	
SIZE PIPE	AMOUNT OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE PIPE	AMOUNT
8"	229'	227'	2' above	surface		
6"	121'5"	345'6"	224'1"			

Driller _____ *From Surface to* _____ *feet*

Driller _____ *From* _____ *feet to* _____ *feet*

Driller _____ *From* _____ *feet to* _____ *feet*

AMOUNT IN FEET	KIND OF SOIL OR FORMATION	TOTAL DEPTH FEET
10	Top soil & clay	10
5	Sandy yellow clay(some gravel) Little water	15
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10	Gray shale	80
5	Brown shale	85
7	Dark gray shale(little water	92
2	Coal	94
[illegible]	Gray shale	345

IOWA GEOLOGICAL SURVEY W-0968

In Cooperation with U. S. Geological Survey

RECORD OF WELL



Location:

Town: DAWSON (N E / S W): County DALLAS

SW/c SW NW sec. 10 T 81 N., R. 29 W. DALLAS Twp.

Well name and number DAWSON TOWN Well #1 (1939)

Owner _____ Address _____

Tenant _____ Address _____

Contractor THORPE WELL CO Address _____

Drillers _____

Drilling dates Dec. 28, 1938 - Jan 23, 1939

Well data:

Elevations: Drilling curb 1031 feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 345 ½ feet, Measured _____ feet

Drilling method _____

Hole and casing data 12" to 8" hole

229' of 8" casing from +2' to 227'

121' 5" of 6" casing from 221' 1" to 345' 6"

Original depth to water 150 ft. ~~above~~ below curb Date _____

Original elevation of water level 881 ft.; Source of data _____

Sources of water: Principal Miss. ; Others _____

Production data: Date _____

Static depth to water 150 Measuring point _____
Pumping level 268 at 15 g.p.m.

Specific capacity _____ g.p.m. per ft. drawdown; Temperature _____ °F.

Pump data: Type pump _____ Column Dia. _____ Length _____
Cylinder or bowls: Dia. _____ Length _____ Suction pipe _____

Power _____ Airline _____

Estimated rate of production: _____ g.p.m. for _____ hrs. a day
Use of water _____

WATER ANALYSES (in parts per million)

Date samples	Jan. 18, 1939			
Sampled by	A.H. Wickers			
Total solids	642			
Insoluble matter	25.5			
Alkalinity (Meo)	210.0			
Alkalinity (Phn)	0.0			
pH	7.4			
$Fe_2O_3 + Mn_2O_3 + Al_2O_3$	5.5			
Alkali as sodium	118.6			
Calcium	61.1			
Magnesium	20.2			
Iron (unfiltered)	0.8			
Manganese	trace			
Nitrate	0.00			
Fluoride	1.5			
Chloride	30.0			
Sulfate	241.1			
Bicarbonate	256.2			
Hardness (ppm)	236			
Hardness (gpg)	13.80			

Remarks _____

Laboratory data: Sample storage location _____

Sample range 10 - 345 No. spls. 68 No. dupls. & cond. 68 good
Spls. prepared by _____ Washed range _____ by _____
Driller's log and cond. Yes very good
Insoluble residues: Prepared by _____ Studied by _____ Strip log _____
Microscopic study 17-345 Gulf strip log 1939 Gulf
Gen. log _____ Correl. by Gardner