

Company

Sec. 24 T. 29 R. 23

Farm City of Girard
Municipal Water Well

No.

Loc. Near NWc SE $\frac{1}{4}$

Total Depth 1186 $\frac{1}{2}$

County Crawford

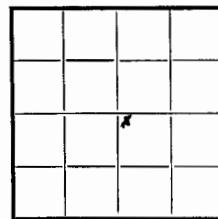
Comm. April 5, 1945 Comp. June 26, 1945

Shot or Treated Drillers: Tom Doty

Contractor Vaughn Barber

Issued Helpers: Ralph McKenzie

Casing Oda Bash



20 in. 10 in
15 1/2 8 1/4
12 1/2 6 5/8
13 3/8 5 3/16

Elevation

Production

Figures Indicate Bottom of Formation

Tool Dresser: Raymond Commons

Set 20' of 20" pipe
Set 476' of 16" pipe
Set 700' of 10" pipe

The 10" pipe cemented from bottom to top by Halliburton Co. using 650 sacks of cement. A second run by Halliburton Co. using 100 sacks of cement in squeeze at bottom of hole.

Hole drilled to 20' 21" diameter
Hole drilled from 20' to 476' 19" diameter
Hole drilled from 476' to 790' 15" diameter
Hole drilled from 790' to 1186 $\frac{1}{2}$ ' 8 $\frac{1}{2}$ " diameter

0- 12	clay
12- 22	shale
22- 37	lime
37- 40	black shale
40- 55	dark gray lime
55- 60	black slate
60- 62	gray shale
62- 65	gray sand and green and gray lime, mud seams
65- 70	gray shale
70- 80	gray sandy shale
80-115	gray hard sandy shale
115-125	blue shale
125-159	black shale
159-164	black lime
164-165	gray shale
165-169	black lime
169-175	black slate
175-180	gray shale and soapstone
180-185	black slate and mudic
185-194	gray shale
194-195	gray lime
195-209	black shale
209-211	gray lime
211-221	gray shale (New drill line, 217 ft.)
221-225	gray lime
225-240	green shale
240-243	dark blue and gray sandy shale and some black shale

243-255 dark gray sandy shale and gray mud seams
 255-267 black shale mud seams lime streaks
 267-285 black slate
 285-290 gray slate and gray sandy lime
 290-300 black shale
 300-310 black shale
 310-335 dark shale
 335-342 gray shale
 342-345 gray shale
 345-357 gray shale and lime streaks
 357-370 gray shale
 370-375 gray shale lime streaks
 375-378 gray shale gray lime
 378-380 gray lime
 380-388 gray shale
 388-392 gray sand
 392-395 gray shale
 395-400 gray sand
 400-405 gray and blue shale and gray sand
 405-410 gray and blue and some black shale and mundic
 410-415 gray shale
 415-425 dark shale
 425-430 dark and white shale and mundic
 431-434 dark shale (New drill line) 4-28-45, 431 ft.
 434-436 sand
 436-437 white shale
 437-440 gray lime and blue flint and dark gray shale and mundic
 440-455 black shale
 455-468 gray shale
 458-465 gray sandy lime gray shale following mundic
 465-473^{1/2} gray shale and black shale and gray showing
 473^{1/2}-474 gray shale and black shale and gray showing
 474-476 gray lime and gray and blue flint mundic shale following
 476^{1/2}-483 gray lime and mundic
 483-485 gray lime shale breaks
 485-490 blue gray and some brown flint mundic
 490-495 blue gray and some brown flint some gray lime
 495-500 gray brown flint and brown lime
 500-510 brown lime
 510-515 gray flint and brown lime
 515-520 brown lime and little blue and gray flint
 520-525 brown lime and gray and blue flint
 525-530 brown lime and gray and blue flint
 530-540 brown lime gray flint
 540-550 brown lime
 550-555 brown lime gray flint
 555-560 brown lime gray flint
 560-565 gray flint brown lime
 565-570 gray lime gray flint
 570-580 gray blue flint
 580-590 loose gray blue some brown flint
 590-595 gray blue flint brown lime
 595-600 brown lime gray blue flint
 600-610 brown lime gray blue flint
 610-615 brown lime gray blue flint soft seams. Water weak at 617 ft.
 615-620 gray blue and black flint brown lime seams
 620-630 gray blue black flint
 630-635 gray blue flint brown gray lime
 635-640 gray lime gray lime flint
 640-645 gray lime gray blue flint

645-650 gray white blue flint gray lime
650-655 brown and gray lime little gray flint
655-660 brown and gray lime gray and blue flint
665-670 brown and gray lime gray and blue flint
670-675 brown and gray lime blue flint
675-680 blue and gray flint brown lime
680-685 blue and gray flint brown lime
685-690 brown lime gray flint
690-695 gray lime blue flint
695-700 gray lime little gray flint
700-705 gray and white flint brown and gray lime
705-710 gray and brown lime gray flint
710-715 brown and gray some blue gray flint
715-720 brown and gray lime little gray flint
720-725 brown and gray lime blue gray flint
725-730 brown and gray lime
730-734 gray and brown lime
734-738 blue mud
738-740 light blue shale
740-745 dark gray shale gray mud
745-750 blue shale
750-754 blue shale gray lime
754-760 gray and brown lime
760-765 gray and brown lime mud
765-768 gray and brown lime
768-774 blue shale
774-780 brown and gray lime
780-785 gray and brown sandy lime
785-790 gray lime gray blue flint
790-795 Casing part 790 ft., 10 in. pipe
795-800 dark gray lime some water flint
800-805 brown sandy lime
805-810 gray and brown lime and some blue flint
810-815 gray lime gray and blue flint
815-820 brown gray lime a little blue gray flint
820-825 gray lime, little blue gray flint
825-830 green, gray and brown lime, gray flint and white selvage
830-835 gray and brown sandy gray flint.
835-840 gray sandy lime and little gray blue flint
840-845 gray lime and gray and blue flint
845-850 gray lime (changed from 10" bit to 8½" at 840")
850-855 gray lime some gray blue flint
855-860 dark gray and some lime and tiff
860-865 gray and green lime
865-870 brown lime and gray and blue flint
870-880 gray brown ~~and brown~~ brown sandy lime
880-885 gray and brown flint and gray and brown sandy lime
885-890 gray and brown flint and gray lime
890-895 brown and gray lime and little gray flint
895-900 gray and brown lime and little gray flint
900-905 gray lime and gray blue flint
905-910 gray lime and gray blue flint
910-915 gray lime and gray blue flint
915-920 gray lime and gray flint
920-925 gray lime and gray flint. Water cleared up.
925-930 not many cuttings, gray sand and gray blue flint
930-935 gray sand and gray blue flint
935-940 gray sandy lime and blue gray flint
940-945 brown and gray sandy lime and blue and gray flint

24-29-23E

945- 950 brown sandy lime and gray flint
950- 955 brown and gray sandy lime and white flint
955- 970 gray brown sandy lime and gray blue flint
970- 975 brown lime and little gray flint and green selvage
975- 995 brown sandy lime and gray blue flint
995-1000 dark brown sandy lime and very little flint
1000-1005 brown sandy lime and gray flint
1005-1010 brown sandy lime and very little flint (water at 1005 ft.)
1010-1015 brown sandy lime and white gray flint
1015-1020 brown gray lime and gray blue flint
1020-1025 gray lime and gray flint
1025-1045 brown gray lime and gray flint
1045-1050 brown sandy lime and gray flint
1050-1055 gray and brown sandy lime and gray flint
1055-1060 gray brown lime and gray flint (water at 1060')
1060-1065 brown lime and brown sand and little flint and white selvage
1065-1070 gray and light blue flint and gray lime
1070-1075 gray white flint and gray lime
1075-1085 gray brown lime and white gray flint
1085-1090 gray brown lime and gray flint
1090-1095 gray sand
1095-1100 brown gray lime
1100-1110 dark gray sandy lime
1110-1115 gray sandy lime
1115-1120 brown gray lime and gray blue flint
1120-1125 brown gray lime and gray flint
1125-1130 gray brown sandy lime
1130-1135 gray brown sandy lime
1135-1140 gray sandy lime
1140-1145 gray sandy lime
1145-1150 gray sandy lime tiff selvage, water course is from 1149' to 1150'
1150-1155 gray sand line. Soft from 1150' to 1153'
1155-1160 gray lime hard
1160-1165 gray lime and gray sand
1165-1170 gray sandy lime
1170-1175 gray sandy lime and little hard
1175-1180 gray water sand, soft
1180-1186¹ gray water sand, soft
Depth 1186¹'
Water stands at 275 ft.