

Also Commenced with Houses #1
Elev. 1180
Martin. No. 1.
SE of Sec. 24, Twp. 30, Range 3 E.,
Cowley County, Kansas.

11.24
Plotted

| | | | | |
|--------------|-------|------|-----|-----------------------------|
| Lime | white | firm | 30 | 30 |
| Shale | blue | soft | 14 | 44-1 bailer water 40' |
| Lime | white | firm | 46 | 90-10 bailer water 75' |
| Shale | blue | soft | 60 | 150 |
| Lime | white | firm | 30 | 180 |
| Sand | light | soft | 20 | 200 |
| Shale | blue | soft | 60 | 260 |
| Lime | white | firm | 40 | 300 |
| Rock | red | soft | 25 | 325 |
| Lime | light | firm | 10 | 335 |
| Shale | dark | soft | 5 | 340 |
| Lime | light | firm | 20 | 360 |
| Shale | dark | soft | 40 | 400 |
| Lime | light | firm | 10 | 410 |
| Shale | dark | soft | 30 | 440 |
| Lime | light | firm | 15 | 455 |
| Shale | dark | soft | 75 | 530-1 bailer water 460' |
| Lime | light | firm | 15 | 545 7 bailers per hr. 520 |
| Rock | red | soft | 10 | 555 |
| Lime | light | firm | 65 | 620 |
| Lime & Sl t. | light | Med. | 65 | 685 |
| Slate | dark | soft | 25 | 710 |
| Lime | light | firm | 5 | 715 |
| Shale | dark | soft | 35 | 750 |
| Sand | dark | med. | 10 | 760 |
| Shale | dark | soft | 10 | 770 |
| Lime | light | firm | 20 | 790 |
| Mud | white | soft | 45 | 835 |
| Sand | white | soft | 10 | 845-hole full water |
| Shale | dark | soft | 50 | 895 |
| Lime shell | light | Med. | 65 | 960 |
| Shale | dark | soft | 20 | 980 |
| Sand | dark | med. | 10 | 990 |
| Lime | light | firm | 10 | 1000 |
| Sand | light | soft | 40 | 1040-hole full 1010' |
| Shale | dark | soft | 16 | 1056 |
| Mud | blue | soft | 5 | 1061 |
| Slate | black | med. | 44 | 1105 |
| Rock | red | soft | 5 | 1110 |
| Slate | dark | soft | 15 | 1125 |
| Lime | light | firm | 5 | 1130 |
| Shale | dark | soft | 75 | 1205 |
| Lime | light | firm | 49 | 1254-3 bailers per hr. 1205 |
| Shale | dark | soft | 86 | 1340 |
| Lime | light | firm | 50 | 1390 |
| Slate | dark | med. | 15 | 1405 |
| Lime | white | firm | 10 | 1415 |
| Slate | black | med. | 10 | 1425 |
| Lime | white | firm | 40 | 1465 |
| Slate | black | soft | 15 | 1480 |
| Lime | blue | firm | 10 | 1490 |
| Slate | black | soft | 5 | 1495 |
| Lime | blue | firm | 21 | 1516 |
| Lime | white | firm | 39 | 1555-8 bailers water 1446 |
| Shale | blue | soft | 5 | 1560 |
| Lime | blue | firm | 5 | 1565 |
| Shale | blue | soft | 5 | 1570 |
| Sand | grey | med. | 10 | 1580 |
| Shale | blue | soft | 65 | 1645 |
| Sand | dark | med. | 10 | 1655 |
| Shale | dark | soft | 73 | 1728 |
| Lime | light | firm | 17 | 1745 |
| Shale | brown | soft | 15 | 1760 |
| Rock | red | soft | 5 | 1765-bad cave |
| Shale | dark | soft | 260 | 2025 |
| Lime | dark | firm | 5 | 2030 |
| Shale | dark | soft | 10 | 2040 |
| Sand | grey | med. | 90 | 2130-HFW at 2045' |
| Shale | blue | soft | 60 | 2190 |
| Lime | blue | firm | 10 | 2200 |
| Shale | blue | soft | 25 | 2225 |

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Martin. No. 1.

Plotted

| | | | | | |
|------------|-------|------|---|-----|-------------------|
| Sand | grey | med. | * | 24 | 2250-HFW at 2225' |
| Shale | blue | soft | | 142 | 2392 |
| Lime | white | firm | | 138 | 2530 |
| Shale | blue | soft | | 10 | 2540 |
| Lime | white | firm | | 25 | 2565 |
| Shale | blue | soft | | 5 | 2570 |
| Lime | white | firm | | 40 | 2610 |
| Shale | black | soft | | 20 | 2630 |
| Lime | blue | firm | | 3 | 2633 |
| Shale | blue | soft | | 10 | 2643 |
| Lime-shell | white | firm | | 2 | 2645 |
| Shale | white | soft | | 70 | 2715 |
| Lime | white | firm | | 10 | 2725 |
| Shale | white | soft | | 25 | 2750 |
| Lime | white | firm | | 40 | 2790 |
| Shale | blue | soft | | 5 | 2795 |
| Lime | white | firm | | 13 | 2808 |
| Shale | blue | soft | | 12 | 2820 |
| Lime | white | firm | | 5 | 2825 |
| Shale | blue | soft | | 56 | 2881 |
| Lime | white | firm | | 14 | 2895 |
| Shale | blue | soft | | 113 | 3008 |

Hole abandoned and casing pulled at 3008 feet.