

Clay District, Ritchie County, W. Va.
 By American Hydrographs Co.

Cairo?

	Top.	Bottom.	Thickness.
Conductor	0	11	11
Bluff sand	11	66	55
Red rock	66	91	25
Lime and slate	91	219	128
Sand	219	244	25
Red rock	244	274	30
White slate	274	324	50
Lime	324	354	30
Slate	354	429	75
Lime	429	444	15
Sand	444	469	25
Red rock (cave)	469	480	11
Slate and lime	480	515	65
Red rock	515	615	100
Slate	615	685	70
Lime	685	730	45
Slate	730	760	30
Red rock	760	795	35
Little Burkard Sand	795	825	30
Sandy lime	825	864	39
Red rock	864	874	10
White slate (big cave)	874	882	8
Big Burkard Sand	882	925	43
Pink rock	925	930	5
Sandy white slate	930	960	30
Lime	960	980	20
White slate	980	1030	50
Sand	1030	1055	25
White slate	1055	1115	60
Sand	1115	1172	57
Black slate	1172	1190	18
Sand	1190	1200	10
Coal	1200	1204	4
Sand	1204	1240	36
Slate	1240	1335	95
Sand (show of oil, 1344')	1335	1375	40
Black slate	1375	1400	25
Sand	1400	1420	20
Black slate	1420	1445	25
Sand (show of gas, 1467', S.L.W.)	1445	1492	47
Black slate	1492	1595	103
Maxton Sand (show of gas, 1599', S.L.W.)	1595	1623	28
Big Lime	1623	1675	52
Keener Sand (show of oil)	1675	1690	15
Big Injun Sand	1690	1800	110
Squaw Sand	1800	1814	14
Black slate	1814	1930	116
Lime	1930	1980	50
White slate	1980	2090	110
Lime, shells, and slate	2090	2120	30
Black slate	2120	2150	30
Slate and lime	2150	2220	70
Lime	2220	2285	65

K. WELAND(R)Y NO. 1 WELL. (Continued).

	Top.	Bottom.	Thickness.
Black slate	2285	- 2297	12
Red lime	2297	- 2304	7
Black slate	2304	- 2360	56
Hard lime	2360	- 2415	55
White slate	2415	- 2473	58
Red slate, lime, and shells (STM)	2473	- 2517	44
Slate and lime	2517	- 3135	618
Lime	3135	- 3160	25
Black slate	3160	- 3282	122
Brown slate	3282	- 3290	8
Black slate (STM)	3290	- 3395	105
Brown slate	3395	- 3415	20
Lime and slate	3415	- 3435	20
Brown slate	3435	- 3593	158
Black slate	3593	- 3648	55
Brown argillaceous shale	3648	- 3740	92
Lime, slate, and shale	3740	- 3760	20
Light and dark shales with trace of lime	3760	- 3978	218
Dark shale and lime	3978	- 4042	64
Brown slate and lime	4042	- 4135	93
Brown slate, trace of lime	4135	- 4190	55
Brown slate and shale	4190	- 4229	39
Fine black shale	4229	- 4298	69
Black slate and lime	4298	- 4313	15
Black slate and shale	4313	- 4409	96
Brown shale	4409	- 4475	66
Fine black slate and shale	4475	- 4490	15
Dark slate, shale, and lime	4490	- 4656	166
Brown slate	4656	- 4707	51
Brown shale, trace of lime	4707	- 4727	20
Brown slate, shale, and lime	4727	- 4730	3

(See other record of this well by K. T. Rinehart, depth, 4800')
(No. 123)

Clay District, Ritchie County, W. Va.

Drilled by George Rinchart for F. L. Howe and J. W. Randall.

Bear Pike P. O.

Record from R. T. Rinchart, of Cairo Drilling Co., July 2, 1913.

Record dated Cairo, W. Va., Dec. 12, 1911.

10" casing, 120'; 8", 882'; 6-5/8", 2517'.

	Top.	Bottom.
Conductor	0	11
Stuff Sand	11	66
Red rock	66	91
Slate and lime	91	219
Sand	219	244
Red rock	244	274
White slate	274	324
Lime	324	354
Slate	354	429
Lime	429	444
Sand	444	469
Red rock	469	480
Slate and lime shell	480	545
Red rock	545	645
Slate	645	685
Lime	685	730
Slate	730	760
Red rock	760	795
Little Burkard Sand	795	825
Sandy lime	825	864
Red rock	864	874
White slate	874	882
Big Burkard Sand	882	890
White slate	890	925
Pink rock	925	930
White slate	930	960
Lime	960	980
White slate	980	1030
Sand	1030	1055
White slate	1055	1115
Sand	1115	1172
Black slate	1172	1190
Sand	1190	1240
Slate	1240	1335
Sand (show of oil, 1340' S.W., 1344')	1335	1375
Black slate	1375	1400
Sand	1400	1420
Black slate	1420	1445
Gas Sand (light show gas, 1467')	1445	1492
Black slate	1492	1595
Maxton Sand (show gas, S.L.W., 1599')	1595	1623
Big Lime	1623	1670
Keener Sand (show oil, S.L.W., 1675')	1670	1690
Big Injun Sand	1690	1800
Squaw Sand	1800	1814
Black slate	1814	1930
Lime	1930	1980
White slate	1980	2090
Slate and lime shell	2090	2120
Black slate	2120	2150

U. DELAWARE NO. 1 WELL (Continued).

	Top.	Bottom.
Slate and lime shell	2150	- 2220
Lime	2220	- 2285
Black slate	2285	- 2297
Red lime	2297	- 2304
Black slate	2304	- 2360
Hard lime	2360	- 2415
White slate and lime shell	2415	- 2473
Black slate and lime shell	2473	- 2517
Lime	2517	- 2540
Slate and shell	2540	- 2600
Lime and slate	2600	- 3150
Lime	3150	- 3160
Black slate	3160	- 3283
Brown slate	3283	- 3290
Black slate (show gas, S.F.W., 3395')	3290	- 3415
Lime	3415	- 3425
Brown slate	3425	- 3550
Brown shale	3550	- 4030
Brown	4030	- 4070
Black slate	4070	- 4135
Brown shale	4135	- 4800

Clay District, Ritchie County, W. Va.
 By American Hydroscope Co.

Record in DBH's handwriting; different from other two records of
 this well.

	Top.	Bottom.	Thickness.
Unrecorded	0	1670	1670
Keener Sand	1670	1686	16
Unrecorded	1686	1715	29
Big Injun Sand and unrecorded	1715	1780	65
Squaw Sand	1780	1814	34
Unrecorded	1814	3395	1581
"Gas" Sand and unrecorded	3395	3475	80
Slate, gray, and unrecorded	3475	3500	25
Slate, dark-gray	3500	4381	881
Lime and unrecorded	4381	4420	39
Slate, dark-gray, to bottom	4420	4707	287