

Manie Ballard No. 2 (434) Well

Scott District, Boone County, W. Va., on Turtle Creek.

By The Owens, Hibbey-Owens Gas Dept., Charleston, W. Va.

Section based on samples from 1696 to 1725', examined by J.H.C.

partens.

No record on exact location.

Top	Bottom	Thickness	
	1696		Shale, very dark gray, (Gambury Shale)
1696	1722	26	Sandstone, nearly white, mostly fine to very fine, with coarser streak from 1706 to 1713; strong concentration of pyrite at top and bottom and some disseminated pyrite throughout; slightly calcareous (Merca Sandstone)
1722	1725	3	Shale, gray

Mamie Ballard No. 2 (434) Well,

Scott District, Boone County, W. Va. On Turtle Creek.

By The Owens, Libbey-Owens Gas Dept. ^{Department,} Charleston, W. Va.

Section based on samples from 1696 to 1725', examined by J.H.C.

Martens.

See attached record and location plot

No record on exact location.

Top. Bottom. Thickness.

Top.	Bottom.	Thickness.	Description
	1696		Shale, very dark gray, (Sunbury Shale)
1696	1722	26	Sandstone, nearly white, mostly fine to very fine, with coarser streak from 1708 to 1713'; strong concentration of pyrite at top and bottom and some disseminated pyrite throughout; slightly calcareous (Berea Sandstone)
1722	1725	3	Shale, gray

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Scott District, Boone County, W. Va. On Turtle Creek.

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THE OWENS, LIBBEY-OWENS GAS DEPARTMENT

RECORD OF WELL NO. 434

Mamie Ballard, et. al. No. 2, Scott District, Boone County, West Virginia.

Commenced February 17th, 1936. Completed April 4th, 1936. Elevation 719.7 feet.

Formation	Top	Bottom	Formation	Top	Bottom
Gravel	0	15	Pencil Cave, gray	987	989
Sand, white	15	55	Big Lime, white	989	1004
Slate, gray	55	75	Big Lime, black	1004	1019
Sand, white	75	213	Big Lime, white	1019	1224
Slate, dark	213	254	Big Injun Sand, red	1224	1251
Sand, dark	254	274	Lime Shells, dark	1251	1264
Sand, white	274	316	Slate & Shells, gray	1264	1341
Slate, dark	316	341	Shells, gray	1341	1371
Salt Sand, white	341	642	Lime, gray	1371	1387
Salt Sand, white	642	666	Shells, gray	1387	1398
Salt Sand, white	666	719	Slate & Shells, white	1398	1412
Slate, gray	719	722	Slate, white	1412	1597
Sand, white	722	731	Shells, gray	1597	1608
Slate, white	731	751	Slate & Shells	1608	1685
Sand, gray	751	796	Brown Shale	1685	1696
Red Rock, red	796	813	Berea Sand, white	1696	1725
Slate & Shells, dark	813	911	Shells, dark	1725	1727 $\frac{1}{2}$
Shell, gray	911	922	Lime, gray	1727 $\frac{1}{2}$	1734
Maxton Sand, gray	922	952	Slate & Shells	1734	1759
Little Lime, black	952	987	Total depth		1759

Water at 150 ft. Hole full
 Water level 25 ft.
 Water at 676 ft. Hole full
 Water level 100 ft.

Show gas at 1116 ft.
 Gas at 1133 ft. - 59,000
 Test at 1169 " - 36,000
 Gas at 1703 " - 55,000
 " " 1708 " - 246,000
 Test at 1725 " - 224,000

Casing:
 8 1/4" 610 ft.
 5 3/16" 1186 "
 Tubing:
 3" 1763 "

Shot 3-31-36 with 90 qts. 4 $\frac{1}{2}$ " shell from 1694 ft. to 1725 ft.
 Open flow before shot 203 M cu. ft.
 " " 15 Min. after 485 M cu. ft.
 " " 1 hr. " 296 " " "
 " " when well was tubed Berea 196 M cu. ft.

OWENS, LIBBEY-OWENS GAS DEPARTMENT

CHARLESTON, W. VA.

PLAT OF PROPOSED LOCATION OF WELL No. 434

being Well No. 2 on Mamie Ballard et al. Tract of 250 acres,

Located in Scott District, Boone County.

△ Location on Top. Sheet Madison Quadrangle

