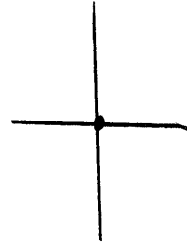


LATITUDE

38°10'(15')

15'
1.00 S
2.52 W



(51)01 018

LONGITUDE

on Kanawha R.
S W of Gauley Bridge

location derived from
Gauley Bridge 7.5' map
in arc map

Co rpt p. 341A

70 2238-

Big Lime + weir gas

Big Wm ^{top} 1370 247 ft + ck

Big Enjun 1617 73

Utme 481186.69 Ula 4/3/2003

utm 4222533.6

7.5 OGIS topo location

7.5' loc _____ 15' loc _____
_____ (calc.) _____

13A on Map II of 1919 Co. Rept

Company G. L. Cabot

Farm Kanawha Hocking Coal. Coke 1

Qlev- Co rpt - 670B

Quad Fayetteville uc

County Fayette

District Falls

WELL LOCATION MAP

File No. 019-70015

URAL GAS.

Thickness Feet.	Total Feet.
10	1430
30	1460
131	1591
6	1597
151	1748
8	1756
2	1758
12	1770
ig Injun ..	41 1811
.....	389 2200
.....	13 2213
.....	6 2219
.....	6 2225
.....	10 2235

3/4" casing, 1620'.

showing of gas in the Big Lime at about 1800 feet and was drilled to a depth of 2800 feet, according to information obtained by A. M. Hagan from M. J. Sims of Montgomery, W. Va. This well starts at an elevation of about 640' B., or 550 feet below the No. 2 Gas Coal bed, so that the gas show evidently occurred near the horizon of the Berea Sand instead of the Big Lime, judging from the intervals prevailing at wells Nos. 11 and 12 on Map II at Montgomery, the logs of which are published on subsequent pages of this Chapter.

The following is the log of a well that was completed long after the field data for the Fayette Report were collected, the details and information concerning which were kindly furnished the Survey by C. E. Krebs of Charleston, W. Va. It starts in the interval separating the Upper and Lower Nuttall Sandstones:

**Kanawha & Hocking Coal & Coke Company Well No. 1
(No. 13A on Map II).**

Falls District, located at Glen Ferris, drilled by G. L. Cabor; began drilling May 14th; completed September 1st, 1918; elevation, 670' B.; location on Map II as furnished by C. E. Krebs.

	Thickness. Feet.	Total Feet.
Gravel	23	23
Sand	87	110
Slate and sand.....	75	185
Lime ?.....	20	205
Slate and sand.....	90	295
Sand	100	395
Slate	55	450
Slate	200	650
Sand	150	800
Slate	50	850
Lime shells.....	75	925
Sand	50	975
Red rock.....	15	990
Lime	10	1000
Red rock.....	15	1015
Slate	35	1050
Lime	40	1090
White slate.....	10	1100
Lime	30	1130
Red rock.....	15	1145
Slate	20	1165
Red rock.....	30	1195
Lime	5	1200
Slate	55	1255
Sand, Maxton.....	3	1258
Slate		

an No. 1 Well—No. 9 on branch of Gauley River, 0.7 hded in Chapter IV in con-South Section, pages 134-5. and was a fair gasser from having an initial volume of ng to Geo. A. Cunningham, Gas Company.

hwestward in Falls District mpleted, December 16, 1916, e Company No. 1 Well—No. ost 600 feet below the Berea oeing reported. This well is thers Creek, 0.3 mile south-log, as kindly furnished the tioned, is published in Chap-Marting—1/4 Mile Southeast Maxton and Big Injun Sands but the Weir and Berea had

—No. 13 on Map II—located istrict, 1 1/4 miles southeast of & Michigan Railroad and the ett Branch, and completed n Gas Company, encountered

PETROLEUM AND NATURAL GAS.

	Thickness		Total
	Feet.	Feet.	
Little Lime.....	37	1295	
Break, unrecorded.....	3	1298	
Lime.....	70	1368	
Pencil Cave.....	2	1370	
Lime, dark.....	30' } Big Lime..	247	1617
Lime, white (gas at 1499'; water at 1555').....	217 }		
Sand, Big Injun.....	73	1690	
Sand, Weir, (gas at 1700').....	20	1710	
Slate and shells.....	330	2040	
Shale.....	25	2065	
Slate and shells to bottom.....	173	2238	

Well shot and tubed for casing at 1700'.
13" casing, 23'; 10" casing, 63'; 8¼" casing, 1308'; 6½" casing,
1419'.

When the Big Injun was encountered, according to Krebs, this well showed gas at the rate of about 2,000,000 cu. ft. daily, but it soon diminished in size, and later when it was shot it showed only about 50,000 cu. ft. daily. It is tubed and being used for commercial purposes at Glen Ferris.

PROSPECTIVE OIL AND GAS AREAS, FALLS DISTRICT.

The test wells that have been thus far completed in Falls District are confined to that portion lying to the west of Gauley River and those that have been described on preceding pages from Nicholas County largely affect the same portion of the District, with the possible exceptions of Nos. 1 and 2 on Map II. Considerable gas was found in the Newman well—No. 9 on Map II—in the Keener and Big Injun Sands, the other two test wells within the District being dry holes. The latter two penetrated below the Berea but found no sand at the latter zone. As described more fully on a subsequent page of this Chapter, the recent completion of the dry hole—**B. H. Early No. 1 (No. 31 on Map II)**—through the Berea apparently shuts off the extension of the rich Cabin Creek oil field of Kanawha County northeastward into Fayette, a feature that is rather discouraging for the outlook of a possible Berea oil pool in that portion of the District west of Gauley River where the fixed carbon content of the coal beds is favorable, being under 65 per cent. There is a possibility, however, of a

Maxton oil pool in the B District lying immediately No. 2 Well—No. 6 on Map II. Maxton oil was obtained in the northeast and southeast corners of sections 5 and 6A on Map II, respectively.

The eastern portion of the Mountain Anticline, northwest-southeast direction, is a fair gasser from the crest of this arch in considerable higher structure, although a considerable portion of the Mississippian and Catskill is consequently increased in intensity as the great folds are approached, would be a considerable risk than prevails or half of the State. This content of the coal bed tends to the probability of a considerable portion of the gas below may have escaped as a result of the same earth

PROSPECTIVE OIL AND GAS AREAS, MOUNTAIN COVE DISTRICT.

Mountain Cove District, eastern portion of Falls District, is a fair gasser from the crest of this arch in considerable higher structure, although a considerable portion of the Allegheny Series and in the Pottsville Series has never been drilled with a well traversed in a northwesterly direction, as exhibited on Map I. This area belongs, however, to the Mountain Cove District, and for reasons mentioned above, in the Mountain Cove District, it is doubtful