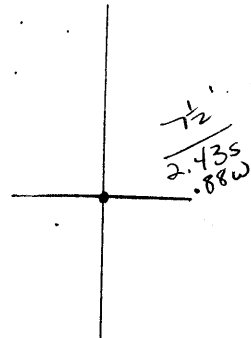


LATITUDE 38° 30'

LONGITUDE 151° 18'

9281



$7\frac{1}{2}$ loc
 from 9294 Logtable
 found on map 3-29

7'5 OGIS topo location

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

214. on Map II 1917 Clay Co. Rpt.

Company Eastern Carbon Black Co

Farm L. J. Abraham 3

Quad Cleburne (7 1/2)

County Clay

District Union

WELL LOCATION MAP

File No. 015-70033 Big farm

33

Union District, Clay County, W. Va.

Eastern Carbon Black Co.

Authority for record, O. L. Davis, of Eastern Carbon Black Co.

Well commenced Jan. 9, 1908, and completed March 23, 1908.

Elevation, 1200' B.

 $1\frac{1}{2}$ miles east of Queen Shoals, on top of ridge between Queen Shoals
Creek and Harts Branch.

	Top.	Bottom.	Thickness.
Sand	0	100	100
Slate	100	120	20
Sand	120	200	80
Slate	200	210	10
Sand	210	275	65
Coal and slate	275	280	5
Lime	280	295	15
Sand	295	340	45
Slate	340	490	150
Coal	490	495	5
Slate	495	520	25
Lime, black	520	536	16
Coal and slate	536	545	9
Shale, sandy	545	620	75
Sand	620	635	15
Slate	635	645	10
Lime, sandy	645	685	40
Slate, black	685	695	10
Sand	695	710	25
Slate	710	750	40
Sand	750	825	75
Shale, sandy	825	1000	175
Sand	1000	1050	50
Slate	1050	1075	25
Sand	1075	1135	60
Break of slate	1135	1140	5
Lime	1140	1160	20
Sand, hard	1160	1215	55
Sand, soft	1215	1290	75
Slate, black	1290	1310	20
Sand, hard	1310	1390	80
Sand, soft	1390	1466	70
Sand, hard	1460	1505	45
Slate	1505	1515	10
Lime, sandy	1515	1575	60
Sand	1575	1590	15
Slate	1590	1600	10
Lime	1600	1605	5
Slate, black	1605	1610	5
Red rock	1610	1612	2
Lime	1612	1615	3
Slate	1615	1645	30
Lime	1645	1660	15
Maxton Sand	1660	1730	70
Little Lime	1730	1755	25
Slate	1755	1767	12
Lime, sandy	1767	1774	7
Slate, Pencil, black	1774	1778	4

(OVER)

L. D. GRAHAM NO. 3 WELL (Continued).

	Top.	Bottom.	Thickness.
Big Lime	1778	- 1800	22
White lime	1800	- 1863	63
Lime, sandy	1863	- 1880	17
Lime, white	1880	- 1898	18
Top of Big Injun Sand (gas, 1905-1930')	1898		
Total depth			1933

Water, 800', enough to drill with.
 Gas, 1005'.
 Show of oil, 1010'.
 Gas, 1090'.
 Good show of oil, 1100'; 3 bbl. natural.
 Water in sand, 1360'.
 Hole full of water, 1390'.
 Gas, 1700'.
 Water, 1705', enough to drill with.
 Small show of oil, 1720'.
 Gas, 1905-1930'.
 Well is a good gasser.

The elevation of the "Flint Ledge" in Queen Shoals Creek, about 1000 feet from its mouth, is 649 feet, and of the Queen Shoals seam of coal S. 50° E. 400 feet, is 848 feet (spirit level), allowing a rise of the coal of 1% for the 400 feet would make a difference of 4 feet too high, and this deducted from the elevation of the coal, or 848, would make the true elevation of the coal over the "Flint Ledge" 195 feet. This well is located about one mile due east from the point where the coal is opened. The coal then at the elevation of 920 feet, evidently is the Queen Shoals seam.