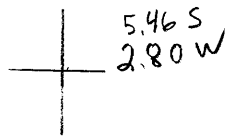


LATITUDE

38° 25'

LONGITUDE

2145'



7.5 OGIS topo location

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

Company Gutter & Galer

Farm Pike Trowbridge 1

Quad St. Albans 15'

County Kanawha

District Washington

WELL LOCATION MAP

File No. 039-70086

632 in Kanawha
Co RPT

PIKE TROWBRIDGE NO. 1 WELL.

OF:SK? 70086
Nos. 37 & 38 O.F.-Kanawha.
No. 632 Kan.Co.Rpt., pp.
90 and 324.

Washington District, Kanawha County, W. Va.

Drilled by Guffey and Galey.

On Smith Creek.

Drilling commenced May, 1908; completed, July 4, 1908.

Elevation, 680' B.

In O.F.No.37 record is combined with section to top of hill (El.1080').

	Top.	Bottom.	Thickness.
Mud	0	- 20	20
Sand	20	- 175	155
Coal	175	- 178	3
Lime	178	- 200	22
Slate	200	- 225	25
Sand	225	- 375	150
Slate	375	- 400	25
Sand	400	- 480	80
Coal	480	- 485	5
Sand	485	- 510	25
Slate	510	- 650	140
Lime	650	- 660	10
Slate	660	- 780	120
Lime shells	780	- 885	105
Coal	885	- 888	3
Shells	888	- 930	42
Top Salt Sand, First Salt Sand (water at 1010'; big water at 1020'; if the same as in the top of the hill 930 ft)	930	- 1160	230
Slate	1160	- 1200	40
Water sand (flower over top at 1205')	1200	- 1205	5
Slate	1205	- 1260	55
Sand	1260	- 1270	10
Slate	1270	- 1300	30
Sand	1300	- 1438	138
Lime, hard	1438	- 1440	2
Sand, gray	1440	- 1450	10
Sand	1450	- 1490	40
Lime, black	1490	- 1510	20
Big Lime (small show of oil)	1510	- 1714	204
Top Big Injun Sand	1714	- 1754	40
Slate	1754	- 1764	10
Sand	1764	- 1774	10
Slate	1774	- 1784	10
Slate and shells	1784	- 2199	415
Berea Sand (very hard)	2199	- 2211	12
Slate, to bottom	2211	- 2231½	20½

Well shot in Berea with 30 qts. shell; natural showing about 3 gals. in 24 hrs.; increased to 1 bbl. after shot. A fair showing of gas; was materially increased by shot. Sand very hard.

(OVER FOR SECTION ABOVE WELL BY KREBS)

SECTION EXPOSED ON HILL ABOVE PIKE TROWBRIDGE NO. 1 WELL.
 (Section by C. E. Krebs).
 Elevation, top of hill, 1080' B.

	Thickness.	Total.
Sandstone and shale	40	40
Coal (Pittsburgh)	6	46
Slate and shale	54	100
Red shale	50	150
Sandstone	100	160
Red shale and sandstone	40	200
Sandstone	30	230
Red shale	5	235
Sandstone and shale	25	260
Red shale and sandstone	30	290
Sandstone	30	320
Coal and slate	5	325
Coal opening fallen in so that a section of the coal could not be measured.		
Sandstone and shale	40	365
Red shale	10	375
Sandstone and shale	25	400
(Top of well, 680' B.)		

REMARKS:

At about 1000 feet below in the branch at 650', is exposed a limestone ledge from 3 to 4 feet thick. This ledge is shown up in the road leading to Smith Creek on the Smith Creek side.

On the tops of the hills between Kanawha River and Smith Creek are four or five openings in the Pittsburgh seam. The coal is very black and hard splint, and has very much the same appearance of the Raymond City coal.....C.E.K.

BEREA SAND drilled two hours in shell about 20", then one and a half hours on screw; sand gray and flaky; then three and a quarter hours on screw, most of time on top shell; more gas a shell broke; odor of oil in sand colors; sand white, fine and good; bottom foot of screw thought to be in slate.

(WASHINGTON) District, Kanawha County, W. Va.

By Guffey and Galey.

Commenced May, 1905; finished, July 4, 1908. differ slightly.
Elevation, 680'. Record is combination of two logs of well which /

	Top.	Bottom.	Thickness.
Mud	0	- 20	20
Sand (water 60' from top of hole; second water 140' from top of hole)	20	- 175	155
Coal	175	- 178	3
Lime	178	- 200	22
Slate	200	- 225	25
Sand	225	- 375	150
Slate	375	- 400	25
Sand	400	- 480	80
Coal	480	- 485	5
Sand	485	- 510	25
Slate	510	- 650	140
Lime	650	- 660	10
Slate	660	- 780	120
Lime shells	780	- 885	105
Coal	885	- 888	3
Shells	888	- 930	42
Salt Sand (water at 1010'; big water at 1020')	930	- 1160	230
Slate	1160	- 1200	40
Water sand (flowed over top at 1205')	1200	- 1205	5
Slate	1205	- 1260	55
Sand (big water top, over hole at 1260')	1260	- 1270	10
Slate	1270	- 1300	30
Sand, hard and close	1300	- 1438	138
Lime, hard	1438	- 1440	2
Gray sand, break	1440	- 1450	10
Sand	1450	- 1490	40
Black lime (small show of oil & B.Lm.)	1490	- 1510	20
Big Lime (gas at 100' in Big Lime, /// enough to run 3 boilers)	1510	- 1700	190 1510-1714?
Slate	1700	- 1715	15
Big Injun Sand (small show of oil in first screw)	1715	- 1755	40 1714-1754?
Slate (break in Injun) (salt water on second screw, 2 bailers an hour)	1755	- 1765	10 1754-1764?
Sand, Squaw	1765	- 1775	10 1764-1774?
Gray slate (at 2098', a small shell shows black scum, a very light odor of gas)	1775	- 2179	404 1774-1784?
Black slate	2179	- 2199	20 Slate & shls
Black sand (Berea), very hard	2199	- 2211	12 1784-2199?
Black shale, to bottom (Slate) (wire-line measurement).	2211	- 2231 1/2	20 2199-2211 (B)

Well shot in Berea with 30 qts. shell. natural showing about 3 gals. in 24 hrs.; increased to 1 bbl. after shot. A fair showing of gas; was materially increased by shot. Sand very hard.

Note: Berea Sand drilled two hours on shell about 20", then one and a half hours on screw, sand gray and flaky; then three and a quarter hours on screw, most of time on top shell, more gas as shell broke; odor of oil in sand colors; sand white, fine and good; bottom foot of screw thought to be in slate. (OVER FOR SECTION ABOVE WELL)

SECTION ABOVE TROWBRIDGE WELL

By C. E. Krebs.

Section taken, descending from top of hill between Kanawha River and Smith Creek. Top of hill, 1030' E.

	Elevation.		Thickness.
	Top.	Bottom.	
Sandstone and shale	1030	- 1040	40
Coal (Pittsburgh)	1040	- 1034	6
Slate and shale	1034	- 930	54
Red shale	930	- 930	50
Sandstone	930	- 920	10
Red shale and sandstone	920	- 880	40
Sandstone	880	- 850	30
Red shale	850	- 845	5
Sandstone and shale	845	- 820	25
Red shale and sandstone	820	- 790	30
Sandstone	790	- 760	30
Coal and slate	760	- 755	5
Coal opening, fallen in so could not measure a section of the coal.			
Sandstone and shale	755	- 715	40
Red shale	715	- 705	10
Sandstone and shale	705	- 680	25
Top of Trowbridge well	680		

At about 1000 feet below in the branch at 650' is exposed a limestone ledge from 3 to 4 feet thick. This ledge is shown up in the road leading to Smith Creek on the Smith Creek side.

On the tops of the hills between Kanawha River and Smith Creek are four or five openings in the Pittsburgh seam. The coal is very black and a hard splint, and has very much the same appearance of the Raymond City coal.C.E.Krebs, June 30, 1909.