

Latitude

	.945
	.860

Longitude

Topo Location

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

MTW Co Rept #103

Company National

Farm John Higgins

15' Quad _____
(sec.)

7.5' Quad Businessburg, OH-WV

District Clay

WELL LOCATION PLAT

County 051 **Permit** 70086

JOHN HIGGINS NO. 4 WELL (M-107).

Clay District, Marshall County, W. Va.

By National Production Co.

Located 1 mile southwest of Moundsville.

Authority, W. A. Hall, contractor.

Elevation not given, but should be close 1007' from Pittsburgh Coal contours

Record published on p. 399, Marshall-Metzel-Tyler Report; 1909.

	Thickness.	Bottom.
Conductor	8 -	8
Coal, Waynesburg	2 -	261
Line at		300
Coal, Sewickley	6 -	446
Coal, Redstone	3 -	496
Coal, Pittsburgh	6 -	518
Sand, Horseneck (Murphy)	55 -	680
Red rock at		690
Sand, First Cow Run (Moundsville)	10 -	805
6 1/2" casing at		830
Black slate	50 -	880
Sand, Dunkard	28 -	988
Oil, 2 bbl. well at		970
Break		982
Sand (Salt?) at		1050
Show of oil		1075
Bottom of Salt Sand		1400
4-7/8" casing		1435
Pencil Cave	10 -	1521
Big Line	45 -	1570
Keener Sand	30 -	1600
Break, slaty	20 -	1620
Big Injun Sand	32 -	1652
Gas at		1630
Salt water		1642
Total depth		1652

Shut down on sandstone on account of salt water.

Clay District, Marshall County, W. Va.
~~Numbered~~ National Production Co.
 1 mi. S. W. of Moundsville.
 Conductor, 2"; 6 $\frac{1}{4}$ " casing, 830'; 4-7/8", 1435'.

	Top.	Bottom.
Waynesburg Coal	259	261
Line	261	300
Sewickley Coal	440	446
Redstone Coal	493	496
Pittsburgh Coal	512	518
Sand, Horseneck (Murphy)	625	680
Red rock	680	690
First Cow Run Sand	795	805
Black slate	830	880
Dunkard Sand (2-bbl. oil at 970')	960	988
Break at 982'.		
Salt Sand (show of oil, 1075')	1050	1400
Pencil Cave	1511	1521
Big Line	1525	1570
Keener Sand	1570	1600
Break, slaty	1600	1620
Big Injun Sand (gas at 1630'; salt water at 1642')	1620	1652