

39 32 30 LATITUDE 39 32 30

LONGITUDE 80 20

1.545
.40W

80 20

7'5 OGIS topo location

7.5' loc 1.545 15' loc _____
 .40W (calc.) _____

Company _____

Farm DE FLEMMING HAMILTON I

Quad MANNINGTON

County MASON

District MANNINGTON

WELL LOCATION MAP

File No. 70096

541 MMT
541 MMT
Co Rep

Hannington District, Marion County, W. Va.
A. J. Montgomery, Washington, Pa.
Elevation, 1055' P.

	Thickness.	Total.
Conductor	15 -	15
Coal, Waynesburg "A"	1 -	16
Slate	14 -	30
Sand, blue, Waynesburg	35 -	65
Slate	25 -	90
Sand (10" casing, 110'), Gilboy	30 -	120
Limestone	40 -	160
Slate	35 -	195
Limestone and shale	142 -	337
Slate	8 -	345
Coal, Sewickley	12 -	357
Slate (water and gas at 360')	35 -	392
Limestone	48 -	440
Slate, dark	19 -	459
Coal, Pittsburgh	11 -	470
Slate	25 -	495
Limestone, hard	40 -	535
Sandstone, hard	35 -	570
Slate	23 -	593
Sand, hard	4 -	597
Red rock	6 -	603
Shale, variegated, blue and red	87 -	690
Slate, very red	10 -	700
Limestone, slaty	45 -	745
Coal, Harlem	5 -	750
Slate, blue	25 -	775
Limestone	10 -	785
Red rock	13 -	798
Limestone and shale	26 -	824
Sand, dark	20 -	844
Slate, dark	31 -	875
Sand (water and gas from 875-890')	45 -	920
Slate, gray	65 -	985
Sand, Dunkard, open, sharp (smell of oil)	92 -	1077
Slate	93 -	1170
Sand, hard, dark-gray	15 -	1185
Sandy shells, slate	45 -	1230
Slate, black (show of coal)	20 -	1250
Sand, shell, very hard	27 -	1277
Coal and slate, Lower Kittanning	17 -	1294
Limestone, slaty	21 -	1315
Sandy shell, very hard	55 -	1370
Salt Sand, white, pebbly (salt water at 1385')	117 -	1487
Slate, dark	31 -	1518
Sand, dark, pebbly	15 -	1533
Shale, sandy	37 -	1570
Slate, light (show of coal)	30 -	1600
Shale, red (cased 4-7/8" at 1680')	78 -	1678
Blue slate and limestone	28 -	1706
Red rock, hard	5 -	1711
Limestone, gray, Big Lime	92 -	1803

(OVER)

FLEMING HAMILTON NO. 1 WELL (Continued).

	Big In. in	Thickness.	Total.
Sand, gray, Kalamazoo (gas at 1815')		37 -	1840
Limestone, white		17 -	1857
Slate, dark		10 -	1867
Sand, (1st pay 1867'; 2nd pay, 1879')		61 -	1928

Mannington District, Marion County, W. Va.

Near Mannington.

	Top.	Bottom.	Thickness.
Conductor	0	- 15	15
Coal, Waynesburg	15	- 16	1
Slate	16	- 30	14
Blue sand	30	- 65	35
Slate	65	- 90	25
Sand	90	- 120	30
Unrecorded (10" casing, 110')	120	- 160	40
Slate	160	- 195	35
Lime and shale	195	- 337	142
Slate	337	- 345	8
Coal, Sewickley	345	- 357	12
Slate (water and gas at 360')	347	- 392	35
Lime	392	- 440	48
Dark slate	440	- 459	19
Pittsburgh Coal	459	- 470	11
Slate	470	- 495	25
Hard lime	495	- 535	40
Hard sandstone	535	- 570	35
Slate	570	- 593	23
Sand, hard	593	- 597	4
Red rock	597	- 603	6
Variogated blue and red shale	603	- 690	87
Very red slate	690	- 700	10
Lime, shaly	700	- 745	45
Coal	745	- 750	5
Blue slate	750	- 775	25
Lime	775	- 785	10
Red rock	785	- 798	13
Lime and slate	798	- 824	26
Dark sand	824	- 844	20
Dark slate	844	- 875	31
Sand (water and gas, 875-890')	875	- 920	45
Slate, gray	920	- 985	65
Sand, Dunkard, opening, sharp smell of oil	985	- 1077	92
Slate	1077	- 1170	93
Sand, hard, dark-gray	1170	- 1185	15
Sandy shells and slate (show of coal here)	1185	- 1230	45
Black slate	1230	- 1250	20
Sand shell, very hard	1250	- 1277	27
Coal and slate	1277	- 1294	17
Lime, slaty, sand shell	1294	- (1315)	(21)
Very hard shell and slate	1315	- 1370	55
White pebbly sand, with big flow of salt water at 1385' with gray and very little variation to 1487' at noon of Sept. 16 and through Salt Sand	1370	- 1487	117
Dark slate	1487	- 1518	31
Dark pebbly sand 18' in it at noon Sept. 18	1518	- 1533	15
Sand shale	1533	- 1570	37

(OVER)

HAMILTON NO. 1 WELL (Continued).

	Top.	Bottom.	Thickness.
Coal show			
Light slate	1570	- 1600	30
Red shale to noon Sept. 28	1600	- 1678	78
Blue slate or lime (cased, 4-7/8", at 1680')	1678	- 1706	28
Red rock, hard	1706	- 1711	5
Gray limestone	1711	- 1803	92
Big Injun Sand, gray, lining at bottom (gas at 1815', nearly enough for one boiler)	1803	- 1840	37
White limestone, set oil	1840	- 1857	17
Dark slate	1857	- 1867	10
Oil sand, Oct. 11, 89	1867	- 1875	8
Oil sand, Oct. 30, 4 p. m.	1875	- 1919	45
Salt water at 1910'			

Began drilling again Nov. 6 and measured
up Nov. 7, 5 p. m., and found depth 1928-30

Nov. 16, tank has 32".
Nov. 29, began pumping.
Nov. 30, 4 p. m., 49 1/2".
Jan. 27, small tank, 225 bbls.
Jan. 27, large tank, 31-3/4 bbls.
Jan. 9, large tank, 16 1/2".

.....District, Marion County, W. Va.

By Flaggy Meadow Oil Co.

Completed, July 1, 1889.

Oil well.

Authority, Geo. Montgomery.

Conductor, 15'; 10" casing, 110'; 7⁵/₈", 780'; 6¹/₂", 950'; 4-7/8", 1680'.

Small well.

Record from U. S. Geological Survey, April 8, 1939.

	Top.	Bottom.
Pittsburgh Coal	470	
Top of Red Cave	597 -	700
Salt Sand	1370 -	1487
Big Injun Sand (first oil, 1878'; second oil, 1910')	1803 -
Total depth		1938