

LATITUDE

39 35

LONGITUDE

OGIS  
75' 10"

7'5 OGIS topo location

7.5' 10c 2.22S  
0.34W

15' 10c 2.22S  
(calc.) 0.34W

Company \_\_\_\_\_

Farm \_\_\_\_\_

Quad Shirley West Union NC

County \_\_\_\_\_

District Ellsworth

WELL LOCATION MAP

File No. Tyler 4

Ellsworth District, Tyler County, W. Va.

J. H. Pentz, 2 Highland St., DuBois, Pa.

On 45 acres, surface and mineral rights owned by J. A. Smith,  
Frew, W. Va.

Drilled under permit No. ~~64~~, issued August 31, 1929.

No elevation given.

13" conductor, 16'; 10" casing, 405'; 8 $\frac{1}{2}$ ", 977'; 6-5/8", 1765'.

No packer used. No liners used.

Casing not perforated.

Coal was encountered at 468-469' (Pittsburgh, 1 foot, dirty coal).

Completion reported to Dept. of Mines Jan. 28, 1930. & Jan. 24, 1930.

Well was not shot.

Salt water at 1817'.

Dry hole.

	Top.	Bottom.
Red rock, red, soft	0	50
Sand, white, soft (water at 57')	50	75
Lime, light, hard	75	100
Shale, dark, soft	100	225
Lime, light, hard	225	300
Red rock, red, soft	300	430
Lime, light, hard	430	468
✓ Coal, Pittsburgh, dark, soft	468	469
Line, light, hard	469	490
Shale, dark, soft	490	600
✓ Sandstone, light, soft	600	665
Lime, dark, hard	665	705
Red rock, red, soft	705	810
Shale, dark, soft	810	914
✓ Sand, Little Dunkard, white, hard	914	934
Shale, dark, soft	934	970
✓ Sand, Big Dunkard, white, hard	970	984
Lime, light, hard	984	1005
✓ Gas Sand, dark, soft	1005	1025
Shale, dark, soft	1025	1050
✓ Salt Sand, light, soft	1050	1180
Shale, dark, soft	1180	1210
✓ 2nd Salt Sand, light, soft	1210	1415
Shale, light, hard	1415	1460
✓ 3rd Salt Sand, light, hard	1460	1510
Red rock, red, soft	1510	1590
✓ Sand, Maxton, light, hard	1590	1610
Gritty lime, light, hard	1610	1641
✓ Little Lime, light, hard	1641	1651
✓ Pencil Cave, dark, soft	1651	1661
Big Lime, light, hard	1661	1738
✓ Keener Sand, dark, hard	1738	1752
Break, dark, soft	1752	1757
✓ Big Injun Sand, light, hard (water, 1817')	1757	1817

Ellsworth District, Tyler County, W. Va. 746-4  
 J. H. Pentz, 2 Highland St., DuBois, Pa.  
 On  $\frac{1}{2}$  acres, surface and mineral rights owned by J. A. Smith,  
 Frew, W. Va.

Drilled under permit issued Aug. 31, 1929.

13" conductor, 16"; 10" casing, 405'; 8 $\frac{1}{2}$ ", 977'; 6-5/8", 1765'.  
 Water (salt) at 1817'.

Dry hole.

Completion reported to Dept. of Mines Jan. 28, 1930.

	Top.	Bottom.
Red rock, red, soft	0	50
Sand, white, soft (water, 57')	50	75
Lime, light, hard	75	100
Shale, dark, soft	100	225
Lime, light, hard	225	300
Red rock, red, soft	300	430
Lime, light, hard	430	468
Coal, Pittsburgh, dark, soft	468	469
Lime, light, hard	469	490
Shale, dark, soft	490	600
Sandstone, light, soft	600	665
Lime, dark, hard	665	705
Red rock, red, soft	705	810
Shale, dark, soft	810	914
Sand, Little Dunkard, white, hard	914	934
Shale, dark, soft	934	970
Sand, Big Dunkard, white, hard	970	984
Lime, light, hard	984	1005
Sand, Gas Sand, dark, soft	1005	1025
Shale, dark, soft	1025	1050
Salt Sand, light, soft	1050	1180
Shale, dark, soft	1180	1210
2 Salt Sand, light, soft	1210	1415
Shale, light, hard	1415	1460
3 Salt Sand, light, hard	1460	1510
Red rock, red, soft	1510	1590
Sand, Maxton, light, hard	1590	1610
Gritty lime, light, hard	1610	1641
Little Lime, light, hard	1641	1651
Pencil Cave, dark, soft	1651	1661
Big Lime, light, hard	1661	1738
Keener Sand, dark, hard	1738	1752
Break, dark, soft	1752	1757
Big Injun Sand, light, hard (water, 1817')	1757	1817

.....District, Tyler County, W. Va.  
 J. H. Pentz, 2 Highland St., DuBois, Pa.  
 Date completed, 1929.  
 Elevation, 775' B.  
 10" casing, 105'; 8 1/2", 977'; 6-5/8", 1765'.  
 At Frew, on Middle Island Creek.  
 Well plugged and abandoned, 1929.

	Top.	Bottom.
Red rock	0	50
Sand, white (water at 57')	50	75
Lime, light and hard	75	100
Shale, dark	100	225
Lime, hard	225	300
Red rock	300	430
Lime	430	468
Pittsburgh Coal	468	469
Lime	469	490
Shale, dark	490	600
Sand, light	600	665
Lime, dark	665	705
Red rock	705	810
Shale, dark	810	914
Little Dunkard, light and hard	914	934
Shale, dark	934	970
Big Dunkard Sand	970	984
Lime, light	984	1005
Gas Sand, dark	1005	1025
Shale, dark, soft	1025	1050
1st Salt Sand, light and soft	1050	1180
Shale, dark	1180	1210
2nd Salt Sand, soft	1210	1415
Shale, light	1415	1460
2nd Salt Sand, hard	1460	1510
Red rock	1510	1590
Maxton Sand, hard	1590	1610
Lime, gritty	1610	1641
Little Lime, hard	1641	1651
Pencil Cave	1651	1661
Big Lime, hard	1661	1738
Keener Sand	1738	1752
Break, dark and soft	1752	1757
Big Injun Sand (water, 1817')	1757	
Total depth		1817