

LATITUDE

3955

0508

LONGITUDE

→ 0615 7.5' 10c

7.5 OGIS topo location

7.5' 10c 1.61S
1.21W

15' 10c 1.61S
(calc.) 1.21W

Company _____

Farm _____

LOCATION MAP _____

Quad Majorsville, Cameron 15' EC

County _____

District Cameron

WELL LOCATION MAP

File No. Marshall 33

Cameron District, Marshall County, W. Va.
 Manufacturers Light & Heat Co., 800 Union Tr. Bldg., Pittsburgh, Pa.
 On 125 acres, Caserfield Field, Div. No. 2; surface ~~underneath~~
 owned by Dora Doman and John McGinnis, First National Bank,
 Cameron, W. Va., and mineral rights by ELAN Co., Pittsburgh, Pa.
 Drilled under permit Mars-33, issued Dec. 23, 1930.

Elevation, 1120'.

1 1/2" conductor, 16'; 10" casing, 266' 4"; 8 1/2", 1023' 8"; 6 1/2"/8",
 1676' 10".

Coal was encountered at 175-177, 252-255, 445-450, 523-529'.

No liners used.

Completion reported to Dept. of Mines April 8, 1931.

Well was not shot.

Fresh water at 20'.

Gas well.

Mars 33

	Top.	Bottom.
Clay, yellow, soft	0	12
Sand, brown, soft (water at 20')	12	30
Shale, gray, soft	30	50
Sand, gray, medium	50	80
Shale, dark, soft	80	140
Sand, gray, medium	140	150
Slate, dark, soft	150	175
✓ Coal, black, soft	175	177
Shale, white, soft	177	192
Sand, white, medium	192	252
✓ Coal, black, soft	252	255
Shale, gray, soft	255	320
Lime, white, hard	320	445
✓ Coal, black, soft (gas)	445	450
Lime, white, hard	450	500
✓ Coal, black, soft (gas)	500	501
Shale, dark, soft	501	523
✓ Coal, Pittsburgh, black, soft (gas)	523	529
Lime, white, hard	529	560
Shale, white, soft	560	590
Lime, white, hard	590	610
Shale, gray, soft	610	630
Sand, white, hard	630	650
Red rock, soft	650	695
Shale, gray, soft	695	720
Lime, light, gritty	720	735
Red rock, soft	735	765
Shale, gray, soft	765	780
Red rock, soft	780	820
Shale, gray, soft	820	850
Sand, white, hard	850	870
Shale, gray, soft	870	915
✓ Little Dunkard Sand, light, hard	915	975
Slate, dark, soft	975	1009
✓ Big Dunkard Sand, light, hard	1009	1050
Slate, dark, soft	1050	1067
Sand, white, medium	1067	1150
slate, gray, soft	1150	1205
✓ Gas Sand, gray, medium (gas)	1205	1245
✓ Freeport Coal, black, soft	1245	1248
Slate, gray, soft	1248	1286

(OVER)

DORA DOWAN NO. 3470 WELL. (Continued).

	Top.	Bottom.
✓ Coal, black, soft	1286	- 1288
Slate, gray, soft	1288	- 1328
✓ Salt Sand, light, medium (gas)	1328	- 1330
Sand, gray, broken and soft (gas)	1330	- 1390
Slate, dark, soft	1390	- 1448
✓ 2nd Salt Sand, gray, hard (gas)	1448	- 1495
✓ Maxton Sand, light, hard	1540	- 1595
✓ Big Lime, light, hard	1640	- 1675
✓ Big Injun Sand, light, hard (gas)	1675	- 1750
Total depth		1750