

Erwin-Mees-Johnson No. 1 (TV-7) Well

Teays Valley District, Putnam County, W. Va.

By Teavee Oil and Gas, Inc., Charleston, W. Va.

Located 0.38 mi. N. of 82°00' and 4.82 mi. S. of 38°35' -SE- Glenwood Quadrangle.

Elevation, 692.0' L.

Permit, Put-47.

Surface and minerals owned by W. E. Erwin, Hurricane, W. Va., and Mees Hairs, Point Pleasant, W. Va.

Drilling commenced June 29, 1939; completed, July 26, 1939.

Gas well; volume, 500,000 cu. ft. Well was not shot.

Rock pressure 490 lbs. in 72 hours.

10" casing, 39'11"; 8 1/2", 674'.

According to the geologic map of Putnam County¹ this well starts about

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C. E. Krebs, West Virginia Geological Survey, 1912.

60 feet above the Pittsburgh Coal horizon but the drillers' record gives no indication of the presence of this coal in the well. Samples start at a depth of 115 feet and are continuous most of the way to the bottom. The section apparently includes the basal portion of the Monongahela, all of the Conemaugh and Allegheny formations and a considerable part of the Pottsville, but definite formation boundaries cannot be indicated with any certainty.

Top	Bottom	Thickness	
0	34	34	Mud, yellow
34	50	16	Sand, white
50	70	20	Mud, blue
70	95	25	Mud, red
95	115	20	Mud, blue
115	125	10	Shale, gray, brown and green, 70%; very fine green sandstone, 30%
125	215	90	Siltstone, green and gray, micaceous (only two samples from this interval)
215	230	15	Sandstone, very light green, medium-grained, calcareous; streaks or nodules of limestone, 220 to 225'

Top	Bottom	Thickness	
230	240	10	Clay, gray, calcareous
240	250	10	Siltstone, grayish-green
250	256	6	Shale, grayish-green, partly silty; contains limestone nodules
256	263	7	Clay, red, with many small limestone nodules
263	269	6	Sandstone, very light green, fine, micaceous
269	283	14	Clay, red and yellow, with small limestone nodules
283	320	37	Sandstone, very light green, medium-grained, highly calcareous; apparently contains streaks or nodules of light-yellow limestone
320	340	20	Shale, red, 50%; gray and green shale, 50%
340	380	40	Sandstone, nearly white, coarse
380	400	20	Clay, red and yellow, slightly calcareous
400	480	80	Shale, green, silty, micaceous; considerable red clay, probably cavings
480	495	15	Sandstone, white, medium-grained
495	550	55	Shale, gray, mostly silty
550	556	6	Sandstone, gray, very fine, shaly, micaceous
556	569	13	Sandstone, light-green, medium-grained; contains biotite, muscovite, chlorite and siderite
569	590	21	Siltstone, gray
590	595	5	Sandstone, white, medium-grained (2 bailers of water)
595	645	50	Sandstone, nearly white, coarse; some reddish stain, 595 to 635' (hole full of water at 630')
645	654	9	Shale, gray (in some sample with coal below)
654	656	2	Coal (8 ¹ / ₂ " casing tally increased depth of coal to 666-668')
656	727	71	Sandstone, white, medium-grained (hole full of water at 706')
727	728	1	Coal
728	738	10	Sandstone, light-gray to green, very fine
738	742	4	Coal
742	748	6	Siltstone, gray (might be above coal)
748	756	8	Shale, black, silty
756	794	38	Sandstone, light-gray to white, medium-grained
794	800	6	Siltstone, gray

Top	Bottom	Thickness	
800	822	22	Sandstone, nearly white, medium-grained; calcareous 816 to 822'
822	826	4	Shale and siltstone, gray
826	832	6	Siltstone, gray
832	842	10	Shale, black, silty (coal at 839')
842	900	58	No samples
900	952	52	Sandstone, light-green to white, medium-grained
952	956	4	Coal
956	994	38	Shale, dark-gray, mostly silty, micaceous
994	1008	14	Sandstone, gray to light-green, very fine, 60%; dark-gray shale, 40%
1008	1012	4	Sandstone, light-green, very fine, shaly
1012	1018	6	Sandstone, light brownish gray, fine, highly calcareous
1018	1024	6	No sample
1024	1030	6	Sandstone, very light-gray, fine, calcareous
1030	1036	6	Shale, dark-gray
1036	1048	12	Sandstone, gray, fine, 60%; dark-gray shale, 40%
1048	1059	11	Sandstone, light-gray, medium-grained; contains mica and chlorite; strongly calcareous, 1048 to 1053' and moderately calcareous, 1053 to 1059' (show of gas, 1053 to 1059'; best gas pay two or three feet deeper)
1082			Total depth in record from Veleair C. Smith. Depths given above are those on sample bags and are not corrected