The Putnam Company No. 1 (GH-441) Well

i

. ÷.

JAC-56

.

Was	hington	District, J	ackson County, W. Va.					
Бу	By Columbian Carbon Company, Box 1240, Charleston, W. Va.							
Loc	Located 0.65 mi. W. of 81°35' and 5.3 mi. S. of 38°40' -C- Kenna Quadrangle; on ridge							
	between Sugar Creek and Middle Fork.							
Ele	vation,	978.7° L. (derrick floor)					
Per	uit, Jao	-56.						
Dri	lling oor	menced Oot	. 1, 1939; completed, Jan. 27, 1940.					
Vol	umo, 2,90	37,000 ou. 1	ft. per day.					
Wel:	L was not	t shot.						
Rocl	r p ress ui	re, 1640 lb	s. in 2 days.					
14"	casing,	26'; 10 ² ",	895'11" (pulled); 8 5/8", 2161'10"; 7", 5216'9"; 2 3/8"					
	iding 539							
Salt water at 1540-45', 1-9" bailer per hour.								
Salt	water a	t 1592-1630	D', hole full.					
Samp	les exam	uined from]	1900 to 53721.					
Top	Bottom	Thickness						
1		-112 022104 8	Greenbrier Limestone, 149 feet					
1890	1900	10	Lime (from drillers' record)					
1900	1953	53	Limestone, light-brown (mostly neutral-gray when dry)					
1963	1995	42	Limestone, very light brown, sandy, colitio; larger sand grains					
			are rounded and frosted					
1995	2003	8	Limestone, very light brown, colities colites are abundant and					
			distinct					
2003	2019	16	Limestons, very light brown to nearly white, somewhat dolomitie					
2019	2039	20	Limestone, nearly white, sandy, dolomitic; from 2019 to 2027					
			sand is very fine and angular; from 2027 to 2039' some of the					
			grains are larger and fairly well rounded					
		1	Posono Formation, 481 fest					
2039	2062	23	Sandstone, nearly white, mediume to coarse-grained; samples					
			are somewhat calcareous but perhaps most of carbonate material					
			is from above					
2062	2076	14	Sandstone, white, fine, slightly calcareous; grains are angular					
2076	2092	16	Sandstone, light-brown, fine, calcareous; grains are angular					
2092	2125	33	Shale, gray; also some siltstone and very fine sandstone					
	2125		Depth corrected from 2125 to 2145' by SIM					
2145	2282	87	Shale, gray, 50%; lighter gray silt stone and very fine sand-					
			stone, 50%					

stone, 50%

Toj	Bottom	Thickness	
22	2 2429	197	Shale, dark-gray; contains up to 20 or 30% of gray to greenish
			siltatone
241	9 2465	56	Shale, gray, 50%; light-brown and gray siltatons, 50%
240	6 2492	27	Shale, gray
249	2 2513	21	Shale, black (Sunbury Shale)
251	3 2520	7	Sandstone, light-gray, very fine with a few coarser grains;
			much pyrite in some fragments (Berea Sandstone; thickness
			from drillers' record; from samples it appears to be less
			than seven feet)
			Devonian Shales, 2641 feet
252	0 2782	262	Shale, gray; interstratified with considerable amount of gray
			to graviah-green siltstone
278	2 2929	147	Siltstone, gray, shaly, micaosous, partly calcareous; some
			darker gray shale throughout; not sharply separated from
200	3843		the interval below
6761	, 99899 1	314	Shale, gray, silty, micaceous; large amounts of gray to
			grayish-green siltstone throughout, and up to 50% in some
3242	3418	175	samples
		110	Shale, gray, silty, micaceous; not sharply separated from
			interval above but contains much less siltstone, although some is present throughout
3418	3702	284	Shale, gray; small amounts of dark-gray shale and light-gray
			siltstone throughout; there are a few scattered spores;
			also small spherical pyrite concretions in a few samples
			but they are so scarce that the exact depths at which
			they were seen probably have no significance
3702	3755	53	Shale, very dark gray, somewhat brownish; also some lighter
			gray shale and siltstone, perhaps cavings
3755	4000	245	Shale, gray; samples are mostly a mixture of various shades of
			gray with medium- to light-gray much in excess; about 30%
			of light-gray, micaceous, slightly calcareous siltstons
			near top of interval decreasing to perhaps 10% toward bottom
	4025	25	Shale, very dark-gray to black, 50%; medium-gray shale, 50%
4025	4087	, 62	Shale, medium-gray; also small amounts of siltatons and very
			dark shale; a little gray limestone, 4073 to 40871
4087	· · · · · ·	22	Shale, very dark gray to black, 60%; medium-gray shale 40%
4109	4151	42	Shale, medium-gray, with small amount very dark

Top	Bottom	Thickmess	
4151	4268	117	Shale, very dark gray and dark brown to black; contains shall
			black spores
4268	4783	515	Shale, gray; a little lighter and in part somewhat greenish
			below 4842*; some slightly calcareous
4783	4880	£ 7	Shale, dark-gray; individual fragments vary from medium-gray
			to black, but average color is much darker than for interval
			above
4880	5051	171	Shale, dark-gray to black; contains some pyrite concretions
5051	6126	75	Shale, medium-to dark-gray; small proportion of greenish-gray
			shale
5126	5161	35	Shale, black
			Runtersville Chert, 120 feet
5161	5199	88	Limestone, brown, very charty; thin streak of biotite-rich
			siltatone at or very close to the top (depth corrected from
			5181 to 5161' by SIN)
5199	5252	53	Linestone, brown, very charty; mostly contains small amounts
			of silt or very fine sand; small amount of dolomite through-
			out and a little glauconite in several samples
5 252	5 2 81	29	Limestone, brown, cherty, and silty; contains a little
			dolomite and glauconite; many fragments could be classed
			as siltstone or very fine sandstone rather than shorty
			or limestone
			Oriskany Sandstons, 84 feet
5281	5287	6	Sandstone, nearly white, medium-grained, calcoreous; some
			grains rounded and frosted (SIN at top)
5287	5317	20 (Sandstone (no sample; gas pays: 5287-5297'; 5299-5308')
5317	5322]	5	Sandstone, nearly white, fine noncalearsous
53 22 }	5840	17술	Sandstone, gray, fine to very fine, calcareous; mostly rather
			dark
5340	884 3	3	Sandstone, light-gray, fine, caleareous
5343	5548	5	Sandstons, gray, very fine, highly calcareous (gas pay: 5344)-
			53471)
5348	5350	2	Sandstone, gray, fine, calcareous (gas pay: 5548-5350')
5350	5365	15	Sand, gray, fine, calcareous; becomes darker, finer and more
			calcareous toward bottom (gas pay 5357-53653)
۰.			Helderberg Limestone, 7+ fest
5365	5372	7	Limestone, gray, cherty, fossiliferous
	6372		Total depth

•

ر. ا