

Farm J.R. Morris - Gil No. 3
 Company Quaker State Oil Refining Corp.,
 Parkersburg, West Virginia
 Permit Gilmer 1741
 District Glenville, Gilmer Co., West Virginia
 Quadrangle Burnsville WC
 Location 3.9 mi W of 80°40'; 3.75 mi S of 38°55'
 Dusk Camp Run
 Elevation 1047.7 feet
 Commence drilling 7/15/65, Complete drilling 8/21/65
 Well type Gas, Volume: 582 MCFGPD, 730# 16 hrs.
 Well not completely examined.
 Examined descriptively by Tom W. Carpenter
 All percentages are visual estimates; all depths are feet.

Top Bottom Thickness

MAUCH CHUNK GROUP, 66+ feet

1973	1978	5	Shale, 100%, black, bryozoan fragment, pyrite; Limestone, trace
1978	1984	6	Limestone, 50%, dark gray, tan, biomicrite, very silty, pyrite; Siltstone, 50%, medium gray, pyrite
1984	1987	3	Siltstone, 55%, as above; Limestone, 45%, as above
1987	1994	7	Limestone, 75%, brown, spicules, very silty; Siltstone, 25%, medium to light gray, pyrite
1994	1998	4	Limestone, 75%, brachiopod fragment, as above; Siltstone, 25%, as above
1998	2003	5	Siltstone, 75%, gray, some slightly calcareous; Sandstone, 25%, gray, very calcareous, VF; Limestone, trace, as above
2003	2010	7	Siltstone, 50%, gray, calcareous, fossil fragments; Sandstone, 45%, light gray, quartz graywacke; Limestone, 5%, much quartz
2010	2015	5	Sandstone, 50%, white, VF, slightly calcareous, quartz arenite; Shale, 50%, black
2015	2021	6	Sandstone, 50%, white, as above but possibly some Fine grained quartz as well; Shale, 50%, black

Top	Bottom	Thickness		Gilmer 1741
2021	2025	4	Sandstone, 75%, as above;	Shale, 25%, black
2025	2030	5	Sandstone, 50%, white, Fine grained, very angular, very clean;	Shale, 50%, black
2030	2031	1	Shale, 100%, black, some silt	
2031	2033	2	Shale, 100%, black, some silt	
2033	2039	6	Shale, 100%, dark gray to black, almost a siltstone, pyrite	

GREENBRIER LIMESTONE, 180 feet

2039	2041	2	Limestone, 40%, tan, micrite, silty;	Siltstone, 60%, gray, pyrite
2041	2043	2	Limestone, 60%, tan, as above;	Siltstone, 40%, gray
2043	2048	5	Limestone, 75%, tan wet, gray dry, oomicrite;	Siltstone, 25%, gray, calcareous
2048	2053	5	Limestone, 95%, tan to white, oosparite, slightly dolomitic (maybe 3 to 5% dolomite);	Siltstone, 5%, gray
2053	2060	7	Limestone, 100%, tan to white, oosparite, some forams, slightly dolomitic (5%);	Siltstone, trace
2060	2064	4	Limestone, 100%, tan, white, few visible allochems, dolomitic (5%)	
2064	2070	6	Limestone, 100%, tan, white, biomicrite, forams, slightly dolomitic, mudstone to wackestone	
2070	2076	6	Limestone, 100%, tan, white, very silty, slightly dolomitic	
2076	2085	9	Limestone, 100%, tan, white, brown, very silty, mudstone	
2085	2090	5	Limestone, 100%, tan, brown, biomicrite, silty, mudstone	

Top	Bottom	Thickness		Gilmer 1741
2090	2096	6	Limestone, 100%, brown, biomicrite, wackestone to packstone, spicules, forams, silty	
2096	2101	5	Limestone, 100%, brown, biomicrite, very silty, some VF quartz	
2101	2106	5	Dolomite, 75%, white, slightly calcareous; Limestone, 25%, brown, as above	
2106	2111	5	Dolomite, 70%, white, calcareous, some VF quartz; Limestone, 30%, brown, dolomitic, silty	
2111	2115	4	Dolomite, 75%, white, calcareous, forams; Limestone, 25%, brown, white, dolomitic, fossil fragments not replaced by dolomite, silty	
2115	2116	1	Limestone, 85%, tan, forams, VF quartz, dolomitic; Dolomite, 15%, as above Calcite/dolomite/quartz = 75/15/10	
2116	2119	3	Limestone, 70%, tan, pseudoolitic, VF quartz; Quartz grains, 20%, loose; Dolomite, 10%, white	
2119	2120	1	Limestone, 65%, tan, pseudoolitic, VF quartz; Quartz, 30%, VF, loose grains; Dolomite, 5%, white	
2120	2123	3	As above	
2123	2127	4	Dolomite, 50%, brown to tan, calcareous, some VF quartz; Limestone, 50%, tan to brown, slightly dolomitic, VF quartz Calcite/dolomite/quartz = 45/45/10	
2127	2129	2	Limestone, 100%, brown to tan, pseudo-sparite, dolomitic, VF quartz Calcite/dolomite/quartz = 45/35/20	
2129	2130	1	Limestone, 100%, brown to tan, biosparite, grainstone, foraminifera, no quartz, no dolomite	
2130	2134	4	Limestone, 100%, tan to brown, white, grainstone, sparite, pellets and forams (?), slightly dolomitic	

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2134	2137	3	Limestone, 100%, tan, white, as above	
2137	2141	4	Limestone, 100%, tan, light gray, dolomitic, VF quartz Calcite/dolomite/quartz = 82/15/3	
2141	2148	7	Limestone, 100%, light gray to tan, dolomitic, VF quartz Calcite/dolomite/quartz = 72/25/3	
2148	2152	4	Limestone, 83%, tan, pseudoosparite, dolomitic, VF quartz Calcite/dolomite/quartz = 60/15/25 Sandstone, 10%, white, VF and Medium rounded, very calcareous; Siltstone, 7%, light gray, calcareous, VF and Medium quartz	
2152	2158	6	Limestone, 85%, tan, possible ooids, VF quartz, much VF and Coarse loose quartz Calcite/dolomite/quartz = 60/0/40 Sandstone, 15%, white, VF, very calcareous	
2158	2163	5	Sandstone, 45%, white to tan, VF, very calcareous; Siltstone, 20%, light gray, some VF quartz, slightly calcareous; Dolomite, 20%, white, some VF quartz; Limestone, 15%, tan, oolitic, much quartz	
2163	2167	4	Limestone, 85%, tan, oosparite, slightly dolomitic, VF quartz; Sandstone, 15%, VF to Fine, calcareous Calcite/dolomite/quartz = 84/1/15	
2167	2169	2	Limestone, 100%, tan, oosparite, dolomitic, VF quartz Calcite/dolomite/quartz = 70/15/15	
2169	2173	4	Limestone, 30%, tan to white, dolomitic, VF quartz; Dolomite, 70%, white, calcareous, VF quartz Calcite/dolomite/quartz = 25/70/5	
2173	2179	6	Dolomite, 100%, white to brown, sucrosic, very slightly calcareous, no quartz Calcite/dolomite/quartz = <1/100/0	

Top	Bottom	Thickness		Gilmer 1741
2179	2186	7	Dolomite, 99%, white, tan, calcareous, can not distinguish original grains; Limestone, 1%, tan to white, very dolomitic Calcite/dolomite/quartz = 10/90/0	
2186	2191	5	Dolomite, 97%, white, calcareous, VF quartz; Limestone, 3%, tan, VF quartz, pyrite Calcite/dolomite/quartz = 17/80/3	
2191	2194	3	Limestone, 85%, tan, oosparite, much VF and Fine quartz, dolomitic; Dolomite, 15%, white, calcareous, VF to Fine quartz Calcite/dolomite/quartz = 78/15/7	
2194	2200	6	Limestone, 95%, tan, oosparite, VF and Medium subrounded quartz, dolomitic; Dolomite, 5%, white, calcareous, VF and Medium quartz Calcite/dolomite/quartz = 77/13/10	
2200	2203	3	Limestone, 100%, tan, pseudoosparite, dolomitic, VF and Medium rounded quartz Calcite/dolomite/quartz = 75/15/10	
2203	2206	3	Limestone, 100%, tan, as above	
2206	2207	1	Limestone, 100%, tan, as above Calcite/dolomite/quartz = 76/12/12	
2207	2212	5	Dolomite, 100%, white, unaltered pseudooids, all matrix is dolomite, some VF and Coarse quartz Calcite/dolomite/quartz = 47/47/6	
2212	2219	7	Dolomite, 100%, white, calcareous pseudooids as above, some chips are all dolomite, some VF and Medium quartz Calcite/dolomite/quartz = 25/68/7	
POCONO GROUP, 151+ feet				
2219	2225	6	Sandstone, 85%, white, VF and Coarse grains, dolomitic cement up to 20% of volume; Limestone, 10%, white, VF and Medium quartz, pyrite; Dolomite, 5%, white, very finely crystalline Calcite/dolomite/quartz = 8/22/70	

Top	Bottom	Thickness	Gilmer 1741
2225	2232	7	Sandstone, 100%, white, VF and rounded Coarse sand, dolomitic cement up to 20%
2232	2242	10	Sandstone, 77%, white, Fine and Coarse grains, dolomitic cement up to 20%; Sandstone, 20%, white, VF, slightly calcareous, no dolomite cement; Siltstone, 3%, dark gray
2242	2245	3	Sandstone, 100%, white, VF grained, slightly calcareous, no dolomite cement, quartz arenite
2245	2251	6	Sandstone, 100%, light gray, VF, not as clean as above (quartz wacke), trace of calcite
2251	2255	4	Sandstone, 100%, white to light gray, VF, quartz wacke
2255	2261	6	Sandstone, 100%, light gray, VF, slightly calcareous, quartz wacke
2261	2267	6	Sandstone, 97%, as above; Siltstone, 3%, red
2267	2272	5	Sandstone, 95%, light gray to gray, VF, lithic greywacke; Siltstone, 5%, red, dark gray
2272	2276	4	Sandstone, 80%, light gray to white, VF, quartz arenite-wacke; Sandstone, 20%, VF, light gray, lithic greywacke
2276	2283	7	Sandstone, 80%, light gray, VF, lithic greywacke; Sandstone, 20%, medium gray, VF, lithic greywacke ("Blue Possum Sand")
2283	2290	7	Sandstone, 97%, medium and light gray, white, VF; Siltstone, 3%, light gray
2290	2298	8	Sandstone, 100%, light gray, lithic grey- wacke, VF
2298	2305	7	Sandstone, 72%, light gray, as above; Sandstone, 25%, light gray, lithic grey- wacke, VF; Siltstone, 3%, light gray
2305	2310	5	Sandstone, 100%, light gray, VF

Top	Bottom	Thickness		Gilmer 1741
2310	2315	5	Sandstone, 95%, as above; medium gray	Shale, 5%
2315	2321	6	Sandstone, 100%, medium gray, VF	
2321	2325	4	Sandstone, 80%, lithic greywacke, VF; Sandstone, 10%, quartz arenite, VF; Siltstone, 10%, gray, black	
2325	2330	5	Sandstone, 50%, light gray, VF; Sandstone, 25%, light to medium gray, VF; Sandstone, 15%, medium gray, VF; Shale, 10%, dark gray	
2330	2335	5	Sandstone, 75%, light gray, VF; Sandstone, 25%, medium gray, VF	
2335	2345	10	Siltstone, 100%, dark gray	
2345	2353	8	As above	
2353	2360	7	As above	
2360	2371	11	Siltstone, 100%, medium gray	