VDMR Well No. 147

Operator: United Fuel Gas Company Farm: National Shawmut Bank of Boston

Well No.: 8431

Location: Buchanan County

9950' N. of 37°30'

6650° E. of 82000°

Elevation: 1465.151 Ground

Total Depth: 32271

Drilling Commenced: 7/26/56 Well Completed: 12/31/56 Result: Dry hole, P & A Geologic Log

Samples studied and

described by:
John M. Wilson

Virginia Division of Mineral Resources

March, 1963

GEOLOGIC LOG

Depth	Interval	Description	
0-2991	2991	No samples	
Greenbriar limestone (Top samples - 3201)			
2991-3024	33	Limestone, silty, tan, white, moderately hard, oolitic, fossil fragmental, no apparent bedding, microcrystalline, with: rare calcite, and rare carbonaceous material.	
3024-3045	21	Limestone, light to dark gray, tan, white, moderately hard, no apparent fossil content, no apparent bedding, microcrystalline, with: rare mica, rare calcite, and rare carbonaceous material.	
3045-3065	20	Limestone, light gray, tan, white, moderately hard, oolitic, fossil fragmental, no apparent bedding, cryptocrystalline to microcrystalline, with: rare calcite and rare iron oxide staining.	
3065-3071	6	Limestone, locally silty, tan, white, moderately hard, oolitic (rare), no apparent fossil content, no apparent bedding, cryptocrystalline to microcrystalline, with: rare calcite and rare iron oxide staining.	
3071-3096	25	Limestone, locally silty, light gray, tan, white, moderately hard, oolitic, fossils (crinoid stems), no apparent bedding, microcrystalline, with: rare calcite, and rare iron oxide staining.	

3096-3110	14	Limestone, light brown, tan, white, moderately hard, oolitic, fossil fragmental, no apparent bedding, cryptocrystalline to microcrystalline, with: abundant calcite.
3110-3158	48	Limestone, light brown, tan, white, moderately soft, oolitic (rare), fragmental fossil content (rare), no apparent bedding, cryptocrystalline, with: abundant calcite, and rare iron oxide staining.
3158-3186	28	Limestone, silty, light brown, tan, white, moderately hard, no apparent fossil content, no apparent bedding, cryptocrystalline to microcrystalline, with: abundant calcite, and rare iron oxide staining.
3186-3201	15	Limestone, locally silty, light brown, white, moderately soft, no apparent fossil content, no apparent bedding, cryptocrystalline to microcrystalline, with: common calcite, common carbonaceous material, and rare iron oxide staining.
Maccrady for	rmation (3201- ?)	
3201-3214	13	Siltstone, locally finely sandy, light gray, red, green, tan, moderately hard, tough, no apparent bedding, calcareous, argillaceous, with: rare biotite, rare muscovite, rare carbonaceous material, and rare iron oxide stains.
3214-3219	5	Siltstone, locally finely sandy, light to dark gray, white, olive, moderately hard, brittle, no apparent bedding, calcareous, argillaceous, with: rare biotite, rare muscovite, and common carbonaceous material.
3219-3227	8	Siltstone, variegated, locally finely sandy, dark gray, red, green, tan, moderately hard, brittle, no apparent bedding, calcareous, argillaceous, ferruginous, with: common biotite, abundant muscovite, rare carbonaceous material and rare iron oxide stains.
3227 - T. D.		No samples.