

Company: Slate Creek Development Program
 Farm: J. McClanahan
 Well No.: 1
 Elevation: 1527' Ground
 Total Depth: 3661'
 Location: Buchanan County
 7750' S. of 37°20'
 2500' W. of 82°00'
 Drilling Commenced: 12/11/51
 Well Completed: 3/30/52
 Result: Gas Well

Geologic log
 Samples studied and
 described by:
 John M. Wilson
 Virginia Division of
 Mineral Resources
 May, 1963

GEOLOGIC LOG

<u>Sample</u>	<u>Interval</u>	<u>Description</u>
MISSISSIPPIAN SYSTEM (Top - 3591')		
Greenbriar limestone (Top - 3591')		
0-3314	3314	No samples
3314-3337	23	Limestone, dark gray, light brown, white, moderately hard, fossil fragmental (rare), no apparent bedding, cryptocrystalline, with: rare pyrite, abundant calcite, and rare iron oxide staining.
3337-3362	25	Limestone, shaly (rare), light to dark gray, white, moderately hard, fossil fragmental (rare), no apparent bedding to platy, cryptocrystalline to microcrystalline, with: common calcite, and rare iron oxide staining.
3362-3405	43	Limestone, light to dark gray, dark brown, white, moderately soft, oolitic structure (rare), fossil content (crinoids, brachiopod fragments), no apparent bedding, microcrystalline, with: rare mica, abundant calcite, and rare iron oxide staining.
3405-3470	65	Limestone, dolomitic (?), white, light-green, moderately hard, fossil fragmental (rare), no apparent bedding, cryptocrystalline, with: common calcite and rare iron oxide staining.

3470-3516	46	Limestone, light to dark brown, white, moderately hard, fossil fragmental (rare), no apparent bedding, microcrystalline, with: abundant calcite.
3516-3561	45	Limestone, light brown, moderately hard, no apparent fossil content, no apparent bedding, cryptocrystalline, with: rare calcite, and rare iron oxide staining.
3561-3567	6	No samples.
3567-3572	5	Limestone, shaly, dark gray, light to dark brown, moderately hard, fossil fragmental (common), no apparent bedding, microcrystalline, with: rare mica, abundant calcite, and common carbonaceous material.
3572-3575	3	No samples.
3575-3591	16	Limestone, light to dark gray, light brown, moderately soft, no apparent fossil content, no apparent bedding, microcrystalline, with: common calcite, and rare iron oxide staining.
Maccrady formation (3591-T. D.)		
3591-3617	26	Dolomite, calcareous (very slightly), greenish-gray, moderately hard, no apparent fossil content, no apparent bedding, cryptocrystalline, with: rare calcite, and rare iron oxide staining. With stringers of Siltstone, light to medium gray, red, moderately hard, brittle, no apparent bedding, argillaceous, ferruginous, with: rare biotite, rare muscovite.
3617-3661	44	Siltstone, dark gray, red, green, moderately soft, flaky, no apparent bedding, argillaceous, ferruginous, with: common biotite, abundant muscovite, rare carbonaceous material and rare iron oxide stains.
3661'	Total Depth	