United Fuel Gas.

680 - 690

Sample Description 8295-T Buchanan County, Va.

350 - 360	Shale, medium grey, silty.
360 - 370	Shale, medium grey, silty.
370 - 380 ¹	50% Shale, as above and 50% Sand, fine and angular.
380 - 390	50% Shale, as above and 50% Sand, fine and angular with little Brown Shale.
390 - 400	Shale, dark grey, silty.
400 - 410	Shale and Siltstone.
410 - 420	Sand, fine to medium grained, sub-angular to sub-rounded, some mic
420 - 430	Siltstone and Sand, angular to sub-angular, dirty.
440	Siltstone and Sand, angular to sub-angular, dirty.
440 - 450	Sand, fine to medium grained, angular to sub-angular, micaceous.
450 - 460	Sand, fine to medium grained, angular to sub-angular, micaceous.
460 - 470	Sand, fine to medium grained, angular to sub-angular, micaceous wit some sub-rounded to rounded sand, medium grained.
470 - 480	Sand, fine to medium grained, angular to sub-rounded.
480 - 490	Sand, as above, and 30% silty Shale, dirty.
490 - 500	Sand and Siltstone, angular, dirty.
500 - 510	Sand, medium to coarse grained, angular to sub-angular, some sub-rounded, tightly cemented.
510 - 620	Missing.
620 - 630	Shale, medium to dark grey, some Sand, large ar pular.
630 - 640	Shale, light grey and dark grey mixed.
640 - 650	Sand, fine to medium grained, angular to sub-angular, tight and dir
650 - 660	Sand, fine to medium grained, angular to sub-angular, tight and dir
660 - 670	Sand, fine to medium grained, angular to sub-angular, many quartz crystallines faces visible.
670 - 680	Shale, dark grey and few grains of sand.

Shale, medium to dark grey and sand (25%) angular.

	700 - 710	Sand, fine to medium grained, angular to sub-angular, dirty and tight.
	710 - 720	Sand, fine to medium grained, angular to sub-angular, dirty and tight.
	720 - 730	Sand, as above and 30% Shale, dark grey.
	730 - 740	Sand, as above and 30% Shale, dark grey.
	740 - 750	Shale, medium to dark grey and Sand (30%) dicty.
	750 - 760	Shale, medium grey and silty.
	760 - 770	Shale, dark grey, some silty.
	770 - 780	Shale, dark grey, some silty.
	780 ~ 790	Shale, dark grey and Black (25%), Sand, fine to medium grained, angular and tight and dirty.
	790 - 800	Shale, medium grey (20%) and Sand, fine to medium grained, angular and tight and dirty.
	200 - 810	Sand, fine to coarse grained, angular to sub-angular, tight and Shale, medium to dark grey (20%).
	810 ~ 820	Shale, dark grey and Sand, as above (30%).
	920 - 830	Shale, dark grey and Sand, as above (30%).
	830 - 840	Shale, dark grey and Sand, as above (30%).
	840 - 850	Shale, dark grey and Sand, as above (30%).
	850 - 860	Shale, dark grey and silty, some angular Sand.
	860 - 870	Shale, dark grey and silty, some angular Sand with Little coal.
	870 - 880	Sand, fine to coarse grained, angular, dirty and tight.
	880 - 890	Sand, fine to coarse grained, angular, dirty and tight.
	890 - 900	Sand, fine to coarse grained, angular, dirty and tight.
`.·	900 - 910	Sand, fine to conglowerable, angular to sub-angular and tight.
	910 - 920	Sand, fine to conglomeratic, angular to sub-angular and tight.
	920 - 930	Sand, coarse to conglowerable, unported and tight.
	930 - 940	Sand, coarse to conglomoratio, unsorted and tight.
	940 - 950	Sand, fine to coarse, angular to sub-angular, tight.

950 - 970	Sand, modium to coarse sud conglomeratic, angular to sub-rounded and tight.
970 - 980	Sand, fine to coarse grained, angular and tight.
960 - 990	Sand, coarse grained and conglomeratic, sub-angular to sub-rounded and tight - some Shale, dark grey and black, little coal.
990 - 1000	Sand, coarse and conglomeratic, angular to sub-rounded, many quartz crystalline faces visitle, very tight, some dark grey and black Shale.
. 1000 - 1010	Sand, as above and 40% Shale, dark grey.
1010 - 1030	Sand, fine grained to conglomeratic, angular to sub-angula and tight.
1020 - 1030	Sand, fine grained to conglomeratic, angular to sub-angular and tight, with some dark grey Shale.
1030 - 1040	50% Shale, medium to dark grey and coal and 50% Sand, fine to coarse, angular and tight.
1040 - 1050	Some Shale, as above and conglemeratic Sand.
1050 - 1060	Sand, sourse and conglomeratic, angular to sub-angular, very dirty and highly
1060 - 1070	Sand, fine to coarse grained and conglemerable, sub-augulat, dirty and tight, some Shale, derk grey.
1070 - 1080	Sand, fine to cookse grained and congloweratio, sub-angulary minty and tights some Shale, dark grey.
1060 - 1090	Sand, fine to coarse grained and conglomeratic. Sub-argulary dirty and tight, some Shale, ours gray with some coal.
1090 - 1190	Sand, fine to course grained end conglowerable, sub-angula , dirty and tight, some Shale, dark gray with some coul.

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	Samples Description 8295-T Buchanan County, Va.
	buchanan councy, va.
1100 - 1110	Sand, medium to coarse grained and conglomeratic, sub-angular to sub-rounded, micaccous, unsorted and tight.
1110 - 1120	Sand, medium to coerse grained and conglomeratic, sub-angular to sub-rounded, micaceous, unsorted and tight. Sand, medium to coarse grained and conglomeratic, sub-angular to sub-rounded, micaceous, unsorted and tight with many quartz crystallines faces visible. Sand, medium to coarse grained, angular to sub-angular, tightly cemented, some Shale, medium grey. Sand, medium to coarse grained and conglomeratic, angular to sub-angular, tight. Sand, medium to coarse grained and conglomeratic, angular to sub-angular, tight. Sand, medium grained to conglomeratic, sub-angular -rounded, unsorted and tightly cemented.
1120 - 1130	Sand, medium to coarse grained, angular to sub-angular, tightly cemented, some Shale, medium grey.
1130 - 1140	Sand, medium to coarse grained and conglomeratic, angular to sub-
1140 - 1150	Sand, medium to coarse grained and conglomeratic, angular to sub-
1150 - 1160	Sand, medium grained to conglomeratic, sub-angularrounded, unsorted and tightly cemented.
1160 - 1170	
1170 - 1180	Sand, medium grained to conglomeratic, sub-angular to sub-rounded, unsorted and tightly cemented. Sand, medium grained to conglomeratic, sub-angular to sub-rounded, unsorted and tightly cemented.
1180 - 1190	Sand, fine to coarse grained and conglomeratic, angular to sub- rounded, unsorted and tight.
1190 - 1200	Sand, fine to coarse grained and conglomeratic, angular to sub- rounded, unsorted and tight.
1200 - 1210	Sand, fine to coarse grained and conglomeratic, angular to sub- rounded, unsorted and tight.
1210 - 1220	Sand, medium to coarse grained, angular to sub-rounded, tightly cemented.
1220 - 1230	Sand, medium to coarse grained and conglomeratic, angular to sub- angular, micaceous and dirty, tight.
1230 - 1240	Sand, medium to coarse grained and conglomeratic, angular to sub- angular, micaceous and dirty, tight.
1240 - 1250	Sand, fine to coarse grained and conglomeratic, angular to sub-rounded, micaccous and dirty, tight.
1250 - 1260	Sand, medium to coarse grained, angular to sub-angular, tight.
1260 - 1270	Sand, medium to coarse grained, sub-angular to sub-rounded, tight.
1270 - 1280	Sand, coarse grained and conglomeratic, angular to sub-rounded, tight.
1280 - 1290	Same with over 50% Shale, dark grey and some coal.





1290 - 1300	Sand, coarse and conglomeratic, dark grey Shale, over 60%.
1300 - 1310	Shale, dark grey and coal.
1310 - 1320	Shale, medium to dark grey and coal.
1320 - 1330	Shale, dark grey and silty.
1330 - 1340	Siltstone, medium to dark grey.
1340 - 1350	Silstone, medium to dark grey with 50% Sand, medium grained, angular to sub-rounded.
1350 - 1360	Shale, medium to dark grey and sand, fine to coarse grained, angular to sub-rounded, tight.
1360 - 1370	Sand, medium to coarse grained, angular to sub-rounded, tightly cemented.
1370 - 1380	Sand, fine to coarse grained, angular to sub-angular, tight.
1380 - 1390	Sand, medium to coarse grained and conglomeratic, sub-angular to sub-rounded, many Quartz crystalline faces visible.
1390 - 1400	Sand, fine to coarse grained, angular to sub-rounded, tight.
1400 - 1410	Sand, fine to coarse grained, angular to sub-rounded, tight with some Shale, dark grey.
1410 - 1420	Sand, fine to coarse grained and conglomeratic, angular to sub-angular, many Quartz crystalline faces visible, tight.
1420 - 1430	Sand, fine to coarse grained and conglomeratic, angular to sub-angular, many Quartz crystalline faces visible, tight with little dark grey Shale.
1430 - 1440	Sand, fine to coarse grained and conglomeratic, angular to sub-angular, many Quartz crystalline faces visible, tight with little dark grey Shale.
1440 - 1450	Sand, fine to coarse grained and conglomeratic, angular to sub-angular, many Quartz crystalline faces visible, tight with little dark grey Shale.
1450 - 1460	Sand, fine to coarse grained and conglomeratic, angular to sub-rounded, tight, unsorted.
1460 - 1470	Sand, fine to coarse grained and conglomeratic, angular to sub-rounded, tight, unsorted with little coal.
1470 - 1480	Sand, fine to coarse grained and conglomeratic, angular to sub-rounded, tight, unsorted with <pre>little-seal</pre> some Shale, medium grey.

1480 - 1490	Sand, fine to coarse grained and conglomeratic, angular to sub-rounde: tight, unsorted with some Shale, medium grey, very dirty.
1490 - 1500	Sand, medium to coarse grained and conglomeratic, angular to sub-round some rounded, tightly cemented.
1500 - 1510	Sand, medium to coarse grained and conglomeratic, angular to sub-round some rounded, tightly cemented, with many Quartz crystalline faces vis
1510 - 1520	Sand, medium to coarse grained and conglomeratic, angular to sub-roun a some rounded, tightly cemented, with many quartz crystalline faces vis
1520 - 1530	Sand, medium to coarse grained and conglomeratic, angular to sub-round- some rounied, tightly commented, with many quartz crystalline faces vis- diray and tight.
1530 - 1540	Sand, medium to course grained and conglumeratic, angular to sub-rount some to ided, tightly cemented, with many Quartz crystalline faces visibility and tight with little dark grey Shale.
1540 - 3-550	Sanc, coarse grained and conglomeratic, sub-angular to sub-rounded, commedian to dark grey Shale.
1550 - 1560	Sand, coarse grained and conglomeratic, sub-angular to sub-rounded, some medias to dark grey shale.
1560 - 1570	Sand, medium to coarse grained, sub-angular to remnied, tightly cement. with quartz.
1570 - 1580	Sand, fine to coarse grained, angular to sub-angular, unsorted and tigr
1580 - 1590	Sand, medium to coarse grained and conglomeratic, angular to sub-rounds unsomied and tight, little Shale, medium grey.
1590 - 1600	Sand, medium to coarse grained and conglomeratic, angular to sub-rounde unso med and tight, little Shale, medium grey with 30% Shale, dark grey and medium brown.
1600 - 1610	Sand medium to coarse grained and conglomeratic, angular to sub-rounds unso had and tight, little Shale, medium grey with 30% Shale, dark grey and hadium brown.
1610 - 1620	Sand medium to coarse grained and conglomeratic, sub-angular to sub-rounced, unsorted and tight.
1620 + 1.630	Sand medium to coarse grained and conglomeratio, sub-angular to sub-rounced, unsorted and tight, very friable.
1630 - 1640	Sand, medium to coarse grained, angular to sub-engular, unsorted and tightly commented.
1640 - 1650	Sand, medium to coarse grained, angular to sub-angular, unsorted and tightly comented, Sand is very dirty, some Shale and If the small.

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1650 - 1660	Sand, coarse grains and conglomeratic, angular to sub-angular, many Quartz crystalline saces visible, tight.
1660 - 1670	Sand, coarse grained and conglomeratic, angular to sub-angular, many Quartz crystalline faces visible, tight.
1670 - 1680	Sand, coarse grained and conglomeratic, angular to sub-angular, many Quartz crystalline faces visible, tight.
1680 - 1690	Sand, coarse grained and conglomeratic, angular to sub-angular, many Quarts crystalline faces visible, tight.
1690 - 1700	Sand, medium to coarse and conglomeratic, angular to sub-rounded, Quartz commented and tight.
1700 - 1710	Sand, medium to coarse and conglomeratic, angular to sub-rounded, Quarts comerced and tight.
1710 - 1720	Sand, medium to coarse and conglomeratic, angular to sub-rounded, Quartz cemerated and tight.
1720 - 1730	Sand, medium to coarse and conglomeratic, angular to sub-rounded, Quartz cemerated and tight, with some Shale, light to medium grey.
1730 - 1740	Shale, light to medium grey, Clay Shale.
1740 - 1750	Shale, light to medium grey, Clay Shale with some coal.
1750 - 1760	Shale, red, grey, buff and black, with Pyrite, some light grey Dolomitic Shale (Base Salt Sand at 1750').
1760 - 1770	Shale, red, grey, buff and black, with Pyrite, some light grey Bolomitic Shale (Base Salt Sand at 1750).
1770 - 1780	Shale, red, grey, buff and black, with Pyrite, some light grey Dolomitic Shale (Base Salt Sand at 1750), with some grey Limestone.
1780 - 1790	Limestone, white and tan, dense, Shale, light grey and few grains of sand, fine to medium grained, sub-rounded to rounded.
1790 - 1800	Limestone, tan and grey, dense to coarsely crystalline, Shale, light grey, some rad, some sand as above.
1800 - 1810	Shale, sand and Limestone, as above.
1810 - 1820	Limestone, grey, tan and light brown, Shale, light grey and Sand, fine to medium grained, sub-angular to sub-rounded, tight.
1820 - 1830	Dolomitic Shule, light grey and little Sand, as above.
1830 - 1840	Dolomitic Shale, light grey and little Sand, as above, with some Shale, red and grey.
1840 - 1850	Dolomitic Shale, light grey and little Sand, as above, with some Shale, red and grey with Sand and light grey Shale.

1850 - 1860	Sand, Limestone and Shale, tight.
1860 - 1870	Sand, fine to medium grained, angular to sub-rounded, tight and Shale, red and light grey and black.
1870 - 1880	Shale, light to medium grey, silty and some Limestone and little Sand.
1880 - 1890	Shale, Limestone and Sand.
1890 - 1900	Shale, medium grey, some sand and coal.
1900 - 1910	Shale, medium grey, some sand and east with some red Shale (no coal)
1910 - 1920	Shale, medium to dark grey, some silty.
1920 - 1930	Shale, as above and Sand, fine grained, angular and dirty.
1930 - 1940	Shale, as above and Sand, fine grained, angular and dirty.
1940 - 1950	Shale, medium to dark grey, some brown, silty and some red Shale.
1950 - 1960	Shale, medium to dark grey, some silty.
1960 - 1970	Shale, medium to dark grey, some silty.
1970 - 1980	Shale, medium to dark grey, some silty.
1980 - 1990	Shale, dark grey, silty and few pieces of red Shale.
1990 - 2000	Shale, dark grey, silty and few pieces of red Shale.
2000 - 2010	Shale, medium to dark grey, silty.
2010 - 2020	Shale, light grey, some red.
2020 - 2030	Shale, light to dark grey and red, few grains of sand, fine to coarse grained, angular to sub-rounded.
2030 - 2040	Sand, fine to coarse grained, sub-angular to sub-rounded and tight.
2040 - 2050	Sand, fine to coarse grained, sub-angular to sub-rounded and tight with some conglomeratic, unsorted, few large grains rounded, tight.
2050 - 2060	Shale, light grey and red, some silty.
2060 - 2070	Shale, light grey and red, some silty Shale, some Limestone, tan, fine grained.
2070 - 2080	Shale, light grey and red, some silty Shale, some Limestone, tan, fine

Shale, light grey and red, some silty Shale, some Limestone, tan, fine

grained.

2080 - 2090

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2090 - 2100	Shale, light grey and red, some silty Shale, some Limestone, tan, fine grained with more Limestone, tan and light grey.
2100 - 2110	Shale, red and grey, silty, some sand, fine, angular and dirty.
2110 - 2120	Shale, red and grey, silty, some sand, fine, angular and dirty with little Limestone, light brown.
2120 - 2130	Shale, red and grey and sand, fine to medium grained, angular to sub-angular, tight and dirty.
2130 - 2140	Sand, fine to medium grained, angular to sub-angular, dirty and tight, some red and grey Shale, some light brown Limestone.
2140 - 2150	Shale, red and some light grey.
2150 - 2160	Shale, red and some light grey.
2160 - 2170	Shale, red and some light grey.
2170 - 2180	Shale, red and some light grey.
2180 - 2190	Shale, red and some light grey.
2190 - 2200	Shale, red and light to dark grey.
2200 - 2210	Shale, red and light to dark grey with some sand, fine to medium grained, angular to sub-angular and tight.
2210 - 2220	
	grained, angular to sub-angular and tight. Shale, medium to dark grey and red, some limestone, light brown, fine
2210 - 2220	grained, angular to sub-angular and tight. Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand. Shale, medium to dark grey and red, some limestone, light brown, fine
2210 - 2220 2220 - 2230	Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand. Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine
2210 - 2220 2220 - 2230 2230 - 2240	Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand. Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown.
2210 - 2220 2220 - 2230 2230 - 2240 2240 - 2250	Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand. Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown.
2210 - 2220 2220 - 2230 2230 - 2240 2240 - 2250 2250 - 2260	Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand. Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, red and grey, siltstone, coarse to fine sand, angular and tight. Shale, light to dark grey, some red, some light grey argillaceous
2210 - 2220 2220 - 2230 2230 - 2240 2240 - 2250 2250 - 2260 2260 - 2270	Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand. Shale, medium to dark grey and red, some limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, medium to dark grey and red, some Limestone, light brown, fine grained and little sand with more Limestone, light grey and brown. Shale, red and grey, siltstone, coarse to fine sand, angular and tight. Shale, light to dark grey, some red, some light grey argillaceous Limestone.



2300 - 2310	Siltatone, Sand, Shale, light greet, which and red.
2310 - 2320	Shale, light to medium grey and britishand Silesone.
2320 - 2330	Shale, light to medium grey and broke and Silvatone with some Limestone, coarsely crystalline to dense and the Shale with some Pyrite.
2330 - 2340	Limestone, light grey and Shale, light grey Clay Shale).
2340 - 2350	Limestone, light grey and Shale, Limestone, tan and Siltstone, light grey.
2350 - 2360	Limestone, Siltstone and Shale.
2360 - 2370	Limestone, Siltstone and Shale with some Dolomite, light grey and finely crystalline.
2370 - 2380	Shale, light to medium grey, some red and Siltstone.
2380 - 2390	Shale and Siltstone.
2390 - 2400	Shale and Siltstone.
2400 - 2410	Shale and Siltstone with little Sand, fine to medium grained, sub-angular to sub-rounded, tight.
2410 - 2420	Limestone, grey and tan, Shale, light grey, Pyrite and Sand as above.
24,20 - 24,30	Sand, fine grained, angular to sub-angular, tightly cemented - much red and grey Shale (probably cavings?).
21,3 0 - 21,140	Sand, fine grained, angular to sub-engular, tightly cemented - much red and grey Shale (probably cavings?).
2440 - 2450	Sand, as above and Limestone, tan, Shale, red and grey.
2450 - 2460	Sand, as above and Limestone, tan, Shale, red and grey.
2460 - 2470	Sand, fine to medium grained, angular to sub-angular and tight, some Limestone and Shale, red and grey.
	Drilling 2475' in Sand at 6 P.M.

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- 2470 2480 Sand, fine to medium grained, sub-angular to sub-rounded and tight, Limestone, light grey and medium brown, Shale, light grey and red Shale (probably caving).
- 2480 2485 Sand, fine to medium grained, sub-angular to sub-rounded and tight, Limestone, light grey and medium brown, Shale, light grey and red Shale (probably caving).
- 2485 2490 Sand, fine to medium grained, sub-angular to sub-rounded and tight, Limestone, light grey and medium brown, Shale, light grey and red Shale (probably caving), with more Shale, medium to dark grey.
- 2490 2495 Sand, fine to medium grained, angular to sub-rounded, unsorted and tightly comented, some Limestone and Shale.
- 2495 2500 Some Sand as above and Shale, medium to dark grey.
- 2500 2505 Shale, medium to dark grey, some Sand and little Limestone, tan and light grey.
- 2505 2510 Shale, medium to dark grey, some Sand and little Limestone, tan and light grey.
- 2510 2515 Shale, light and dark grey, some silty, sand, fine to coarse grained, unsorted, sub-angular, tight.
- 2515 2520 Shale, light to medium grey, silty.
- 2520 2525 Shale, light to medium grey, silty with little Sand.
- 2525 2530 Shale, light to medium grey, silty.
- 2530 2535 Shale, as above and some Limestone, medium to dark brown, fine grained.
- 2535 2540 Limestone, medium to dark brown, fine grained, some Shale, light grey.
- 2540 2545 Shale, light to dark grey, few pieces of Limestone, as above.
- 2545 2550 Shale, light and dark grey and red, some sand and siltstone.
- 2550 2555 Shale, light and dark grey and red, some sand and siltstone with some brown Shale, silty and micaceous.
- 2555 2560 Shale, light and dark grey and red, some sand and siltstone with some brown Shale, silty and micaceous.
- 2560 2565 Shale, Limestone and Sand.
- 2565 2570 Shale, Limestone and Sand.
- 2570 2575 Limestone, medium to dark brown, fine grained, Shale, light grey.
- 2575 2580 Limestone, dark brown, fine to coarsely crystalline, some Shale, light

8295-T Buchanan County, Va.

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Š	<i>25</i> 50 - 2585	Shale, dark brown to black, Dolomitic.
	2585 - 2590	Shale, medium grey, some Limestone and much Pyrite.
	<i>5</i> 90 - 2595	Shale, medium grey, some Limestone and much Pyrite.
	£195 – 2600	Shale, Sand and Limestone.
	2600 – 2605	Sand, fine grained, angular and tight, Shale, light to dark grey.
	2605 - 2610	Sand, fine to medium grained, angular to sub-angular, tight and Shale, light to dark grey.
	2610 - 2615	Shale, light and dark grey, little Sand.
	2615 - 2620	Shale, light to dark grey, some red.
,	2620 - 2625	Shale, light to dark grey, some red.
`-	2625 - 2630	Shale, light to dark grey, some red.
	2630 - 2635	Shale, light to dark grey, some red with little Sand.
	2635 - 2640	Shale, medium to dark grey and red.
	2640 - 2645	Shale, light to dark grey, mome black and red.
	2645 - 2650	Shale, light to medium grey and red with few pieces of Limestone.
	2650 - 2655	Shale, medium grey, soft.
;	2655 - 2660	Shale, medium grey, soft with some red Shale.
	2660 - 2665	Shale, medium grey, soft and Limestone, light to medium grey and brown, coarsely crystalline and fossiliferous.
	2665 - 2670	Shale, medium grey, soft and Limestone, light to medium grey and brown, coarsely crystalline and fossiliferous with some brown Dolomitic Limestone.
	2670 - 2675	Limestone, brown, medium crystalline.
:	2675 - 2680	Limestone, medium to dark brown, fine to medium crystalline.
	2680 - 2686	Limestone, medium to dark brown, fine to medium crystalline with some dark grey Shale, (red Shale and occasional Sand is being circulated through mud pits).
	2685 - 2690	Limestone, medium to dark brown, fine to coarsely crystalline, few

large pieces of Shale, medium grey, soft (Pencil Cave).

large pieces of Shale, medium grey, soft (Pencil Cave).

medium to coarsely crystalline, fossiliferous.

Limestone, medium to dark brown, fine to coarsely crystalline, few

Shale, medium to dark grey (Pencil Cave) and Limestone, medium brown,

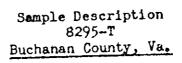
2690 - 2695

2695 - 2700



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2700 - 2705	Limestone, medium to dark brown, fine to medium crystalline.
2705 - 2710	Limestone, medium to dark brown, fine to medium crystalline.
2710 - 2715	Limestone, light to medium brown, fine to coarsely crystalline, some oolites and much grey Shale.
2715 - 2720	Limestone, tan to medium brown, colitic.
2720 - 2725	Limestone, tan to medium brown, colitic.
2725 - 27 3 0	Limestone, tan to brown, colitic and coarsely crystalline, some dense.
2730 - 27 3 5	Limestone, tan, light grey and brown, coarsely crystalline, fossiliferous
2735 - 2740	Limestone, tan, light grey and brown, coarsely crystalline, fossiliferous
2740 - 2745	(7" casing Point @ 2745') Limestone, tan and brown, coarmely crystalline, coolitic and fossiliferous. (top Big Lime 2700').
2745 - 2825	No sample - trying to dry hole with air and could not blow samples to surface.
2825 - 2865	Limestone, tan to medium brown, finely crystalline to dense, some colitic and tight.
2865 - 29 2 5	No samples.
2975 - 2980	Limestone, tan and light brown, colitic and some fine, angular Quartz.
2980 - 2985	Limestone, tan and light brown, collitic and some fine, angular quartz.
2985 - 2990	Limestone, tan and light brown, oblitic and some fine, angular quartz.
2990 - 30 0 0	Limestone, tan and light brown, colitic and some fine, angular quartz.
3000 - 3005	Limestone, buff and tan, oolitic, little silt.
3005 - 3010	Limestone, buff and tan, colitic, little silt.
3010 - 3015	Limestone, buff and tan, oolitic, little silt.
3015 - 3020	Limestone, tan, very dense, almost lithographic, some Calcite "Birdseyes"
3020 - 3025	Limestone, tan, very dense, almost lithographic, some Calcite "Birdseyee"
3025 - 3030	Limestone, tan, fine grained to dense.
3030 - 3035	Limestone, tan, fine grained to dense.
3035 - 3040	Limestone, light grey, finely crystalline, dolomitic.
3040 - 3045	Limestone, light grey, finely crystalline, dolomitic.
3045 - 3 9 50 .	Limestone, light grey, finely crystalline, bolomitic.



	A. 3 4-374ma
30 Ja . 3055	Limestone, tan and light grey, finely crystalline.
3055- 3060	Limestone, tan and light grey, finely crystalline.
3060- 3065	Limestone, tan, light to medium brown, finely crystalline.
30 65 – 3070	Limestone, tan, light to medium brown, finely crystalline.
3070 - 3075	Limestone, tan, light to medium brown, finely crystalline, with much fine Silt.
30 7/5 ~ 308 0	Limestone, light to medium brown, fine grained, dense.
30 800 - 3 085	Limestone, light to medium brown, fine grained, dense.
30855 - 3090	Limestone, tan and light to medium brown, fine to medium crystalline, dense.
309 00 - 3095	Limestone, medium to dark brown, Dolomitic.
30935 - 3100	Limestone, medium to dark brown, Dolomitic.
31 00 0 - 3105	Limestone, as above and red Siltstone, micaceous.
	BOTTOM BIG LINE 3103'
3115 - 3119	Siltstone, fine grained, angular.
31100 - 3115	Siltstone, fine grained, angular with much iron red color.
31125 - 3120	Siltstone, fine grained, angular with much iron red color.

G. R. Thomas 9-27-57