The Youngblood and Youngblood Wachter #1 - located in Oliver County, North Dakota, SE 1/4 SW 1/4, Section 3, T. 141 N., R. 81 W. (660 feet from south line and 1980 feet from west line). Elevation: 1924 D.F.

The Youngblood and Youngblood Eugene Wachter #1 was spudded July 13, 1952 and abandoned as a dry hole at a total depth of 7850 on September 8, 1952 after plugging. Fifteen sack plugs were set at 7380, 6900, 6140, 4790, 3560, and 3320; thirty sack plugs were set at 725' (the bottom of the surface pipe) and at 15' (the top of the surface pipe). 10 3/4" casing was set at 750' with 700 sacks of cement.

**DRILLSTEM TESTS**

DST 5230 - 5258  
Open 2 hours, received 1400' SW; FP 725#; SIP 2050#.

DST 5396 - 5418  
Open 2 hours, received 3650' sulfur/water; FP 170#; SIP 1850#.

DST 6407 - 6430  
Open 45 minutes, received 700' SW; FP 190#; SIP 2600#.

No cores.

**FORMATION TOPS**

Cretaceous System  
Niobrara 2135  
Greenhorn 2665  
Muddy 3100  
Dakota 3330  

Jurassic System  
Morrison 3516  
Sundance 3625  
Piper Lime 4015  

Triassic System  
Spearfish 4243  

Mississippian System  
Amsden 4285 ?  
Big Snowy 4485  
Charles 4828  
Mission Canyon 5220  
Lodgepole 5530  
Englewood 6138
Devonian System

Lyleton  6157
Nisku  6217
Duperow  6288
Souris River  6515
Dawson Bay  6620
Prairie Evaporites  6817
Winnipegosis  6878
Ashern  6920

Silurian System

Interlake  7020

Ordovician System

Upper Stony Mountain  7198
Lower Stony Mountain  7303
Red River  7398

Total Depth  7850

Formation tops were determined from electric log and samples; not all lithologic formation tops called. Colors were determined from the rock color chart.

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Formation</th>
</tr>
</thead>
<tbody>
<tr>
<td>800</td>
<td>830</td>
<td>Silty shale—light olive grey, rather firm, partly fine sandy.</td>
</tr>
<tr>
<td>830</td>
<td>840</td>
<td>Sandstone—light grey, medium grained, glauconitic, very limey; small amounts of shale as above.</td>
</tr>
<tr>
<td>840</td>
<td>910</td>
<td>Sand—fine, subangular quartz; some sandstone as above; some shale (870-880); some silt beginning at 880.</td>
</tr>
<tr>
<td>910</td>
<td>940</td>
<td>Sandstone—as above; much fine sand; increasing amounts of shale; missing samples: 920-930,</td>
</tr>
<tr>
<td>940</td>
<td>950</td>
<td>Silty shale—medium grey to light grey, partly greenish and glauconitic; traces of limestone.</td>
</tr>
<tr>
<td>950</td>
<td>960</td>
<td>Sand—fine to medium glauconitic, subangular quartz; much silty shale; traces of pyrite and limestone.</td>
</tr>
<tr>
<td>960</td>
<td>1050</td>
<td>Silty shale—medium grey, lumpy, increasingly sandy, becoming limey at 1010. Rather poor samples.</td>
</tr>
<tr>
<td>1050</td>
<td>1180</td>
<td>Silty shale—medium grey, slightly greenish, lumpy, rather bentonitic, partly fine sandy; some dark grey, flaky shale at 1170.</td>
</tr>
<tr>
<td>1180</td>
<td>1200</td>
<td>Silty shale—medium dark grey, lumpy, slightly limey.</td>
</tr>
<tr>
<td>1200</td>
<td>1240</td>
<td>Shale—medium grey to medium dark grey, lumpy, rather limey, slightly silty and sandy.</td>
</tr>
<tr>
<td>1240</td>
<td>1290</td>
<td>Shale—medium grey to medium dark grey, lumpy, slightly silty and sandy; scattered traces of iridescent shell fragments and Inoceramus prisms.</td>
</tr>
<tr>
<td>1290</td>
<td>1380</td>
<td>Shale—medium grey to medium dark grey, slightly brownish in part, lumpy, silty; some firm, medium grey shale (1320-1350).</td>
</tr>
<tr>
<td>1380</td>
<td>1430</td>
<td>Shale—medium grey, firm.</td>
</tr>
<tr>
<td>1430</td>
<td>1620</td>
<td>Shale—medium light grey to medium grey, firm; scattered rare traces of pyrite, brown anhydrite (?) and Inoceramus prisms.</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td>Description</td>
</tr>
<tr>
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</tr>
<tr>
<td>1620</td>
<td>1710</td>
<td>Shale—medium grey, firm; scattered traces of pyrite and Inoceramus prisms.</td>
</tr>
<tr>
<td>1710</td>
<td>1780</td>
<td>Shale—medium light grey to medium grey, firm; scattered traces of Inoceramus prisms and iridescent shell fragments.</td>
</tr>
<tr>
<td>1780</td>
<td>1820</td>
<td>Shale as above; much light grey bentonitic shale and small amounts of bentonite.</td>
</tr>
<tr>
<td>1820</td>
<td>1900</td>
<td>Bentonitic shale—medium grey, somewhat brownish, lumpy, silty; traces of bentonite and Inoceramus prisms.</td>
</tr>
<tr>
<td>1900</td>
<td>1950</td>
<td>Shale—medium grey, partly lumpy, becoming partly silty and bentonitic; some dense; brown anhydrite(?) beginning at 1910.</td>
</tr>
<tr>
<td>1950</td>
<td>1960</td>
<td>Shale—dark grey, flaky; much bentonitic shale as above; small amounts of dense brown anhydrite.</td>
</tr>
<tr>
<td>1960</td>
<td>1970</td>
<td>Shale—dark grey to grey black, firm to lumpy; small amounts of bentonite and anhydrite (?).</td>
</tr>
<tr>
<td>1970</td>
<td>1980</td>
<td>Shale—medium grey, silty, bentonitic; small amounts of dense brown anhydrite (?) and bentonite.</td>
</tr>
<tr>
<td>2000</td>
<td>2040</td>
<td>Limey shale—medium grey to medium dark grey, lumpy, silty; traces of anhydrite and bentonite.</td>
</tr>
<tr>
<td>2040</td>
<td>2150</td>
<td>Shale—medium grey to medium dark grey, lumpy, partly limey.</td>
</tr>
<tr>
<td>2150</td>
<td>2160</td>
<td>Limey shale—medium grey, lumpy, partly silty; scattered traces of iridescent shell fragments and limestone.</td>
</tr>
<tr>
<td>2160</td>
<td>2210</td>
<td>Shale—medium grey to medium dark grey, firm to lumpy, rather limey, somewhat bentonitic beginning at 2230; traces of dense limestone.</td>
</tr>
<tr>
<td>2210</td>
<td>2260</td>
<td>Limey shale—medium grey to medium dark grey, lumpy, silty, partly bentonitic.</td>
</tr>
<tr>
<td>2260</td>
<td>2270</td>
<td>Shale—medium grey to medium dark greys lumpy, slightly silty, rather limey.</td>
</tr>
<tr>
<td>2270</td>
<td>2310</td>
<td>Limey shale—medium grey to medium dark grey, becoming darker at 2370, lumpy, slightly silty; scattered traces of shell fragments and Inoceramus prisms; some firm, dark grey shale at 2440.</td>
</tr>
<tr>
<td>2310</td>
<td>2450</td>
<td>Shale—medium grey, partly brownish, lumpy, slightly silty and limey.</td>
</tr>
<tr>
<td>2450</td>
<td>2470</td>
<td>Limey shale—medium grey to medium dark grey, lumpy, silty, rather limey (decreasingly limey).</td>
</tr>
<tr>
<td>2470</td>
<td>2490</td>
<td>Shale—medium grey, lumpy, silty, rather limey (decreasingly limey).</td>
</tr>
<tr>
<td>2490</td>
<td>2500</td>
<td>Shale—medium grey to medium dark grey, soft.</td>
</tr>
<tr>
<td>2500</td>
<td>2510</td>
<td>Limey shale—medium grey, lumpy, rather silty.</td>
</tr>
<tr>
<td>2510</td>
<td>2570</td>
<td>Shale—medium grey to medium dark grey, lumpy, somewhat limey, slightly silty.</td>
</tr>
<tr>
<td>2570</td>
<td>2630</td>
<td>Shale—medium grey, slightly green, partly firm, partly, silty and lumpy.</td>
</tr>
<tr>
<td>2630</td>
<td>2670</td>
<td>Shale—medium grey to medium dark grey, flaky, partly lumpy, becoming slightly limey at 2650; traces of Inoceramus prisms beginning at 2650.</td>
</tr>
<tr>
<td>2670</td>
<td>2690</td>
<td>Limey shale—medium dark grey, rather soft and flaky; small amounts of Inoceramus prisms.</td>
</tr>
</tbody>
</table>
2690 2710 Shale--dark grey to grey black, flaky, partly limey; some Inoceramus fragments.
2710 2720 Limey shale as above; small amounts of Inoceramus prisms.
2720 2730 Limey shale--medium dark grey with white specks, partly flaky; some Inoceramus prisms and Inoceramus limestone.
2730 2770 Shale--grey black, flaky; much limey shale as above; much Inoceramus limestone and prisms.
2770 2840 Shale--dark grey to grey black, flaky, partly limey; some Inoceramus limestone and prisms, increasing somewhat in quantity.
2840 2930 Shale--grey black, flaky; small amounts of Inoceramus limestone and prisms, increasing greatly in quantity at 2880.
2930 3220 Shale--dark grey to grey black with white specks, flaky, scattered traces of Inoceramus limestone and prisms; traces of white, fine sandstone at 3130; some lumpy, silty grey shale begins at 3140.
3220 3300 Shale--dark grey to grey black, flaky; scattered traces of pyrite and Inoceramus limestone.
3300 3380 Shale--medium dark grey, soft, flaky; some medium light grey shale beginning at 3340; some fine, white sandstone beginning at 3440; some very coarse, pale orange to light brown, pitted quartz sand beginning at 3350; missing samples: 3310-3320.
3380 3430 Shale--grey black, soft, flaky; small amounts of pitted sand as above; small amounts of very pale yellow grey limestone (3380-3400); traces of coarse, partly glauconitic sandstone beginning at 3400; missing samples: 3410-3420.
3430 3460 Shale--medium grey to dark grey, partly lumpy and silty; traces of sand and pyrite; small, increasing amounts of pyritic sandstone beginning at 3440.
3460 3500 Shale--dark grey, firm to flaky; small amounts of limey sandstone; missing samples: 3470-3490.
3500 3510 Shale--dark grey, flaky.
3510 3540 Shale--dark grey, flaky, partly silty and light olive grey beginning at 3520; small amounts of pink shale at 3520; much medium to fine, very limey, partly glauconitic sandstone (3510-3520).
3540 3600 Shale--grey black, flaky, some medium grey, lumpy, somewhat silty and limey shale; small amounts of pink and very light brown shale; traces of shaly siltstone beginning at 3570.
3600 3640 Shale--black, flaky; much medium grey, lumpy, partly silty and limey shale; traces of pyrite, limestone, and greenish grey shale.
3640 3660 Shale--dark grey to grey black, soft and flaky, partly greenish, lumpy, and limey; some medium, partly limey white sandstone; some waxey, greenish grey shale at 3650 and less sandstone.
3660 3680 Shale--dark grey, some is lumpy and silty; small amounts of medium grained, limey sandstone; small amounts of greenish shale.

From To Formation
Shale--medium grey, lumpy, silty, slightly greenish and limey; traces of sandstone, limestone, black shale, and waxey green shale.

Shale--medium grey to dark grey, partly silty and lumpy and limey; traces of sandstone, light brown shale, and sandstone; much light brown, lumpy, silty, limey shale at 3700.

Shale--medium grey to dark grey, flaky to firm, small amounts of greenish and brownish shales; some light brown siltstone; some very fine, limey, pinkish sandstone; some dense, pink and orangish anhydrite at 3720.

Shale--medium grey to dark grey, small amounts are waxey green; much white to light brown, medium grained, limey sandstone; traces of pyrite.

Shale--grey black and black, much is greenish and brownish; some sandstone as above; some pinkish anhydrite.

Shale--pale green, soft, flaky, waxey; small amounts of shale and anhydrite as above.

Shale--grey to black, small amounts of shale and anhydrite as above. Poor sample.

Shale--pale green, partly silty and limey; some fine sandstone at 3790-3800; traces of anhydrite.

Limey shale--pale green to green grey, soft, flaky, limey; small amounts of light brown siltstone and shale.

Limey shale--greenish grey, soft and flaky; traces of grey shale and sand.

Limey shale--greenish grey, flaky, partly lumpy; traces of anhydrite.

Shale--pale green and greenish grey, becoming increasingly grey, flaky to lumpy, partly limey; traces of shell fragments, anhydrite and sandstone.

Shale as above; small amounts of reddish brown, partly silty shale increasing in quantity; much very pale orange fine sugary to micro-sugary limestone beginning at 4010.

Limestone--very pale orange to yellow brown, micro-sugary to dense; small amounts of shale as above.

Limey shale--grey and greenish, partly lumpy; much pale, sublithographic limestone; traces of anhydrite.

Limestone--white to very light grey, micro-sugary; fossils; small amounts of shale as above.

Limestone as above; much pale red, shaly limestone.

Limestone--white to very light grey, dense; some grey and greenish grey shale.

Shale--pale green to grey green, flaky and soft, partly limey; much limestone as above.

Limestone--almost white, sublithographic; much grey and green and reddish shale.

Limestone--white to very pale orange, micro-sugary; small amounts of shale and anhydrite.

Shale--medium grey to dark grey, reddish brown, greenish grey; some pale yellow grey, fine sugary limestone; small amounts of anhydrite.
4160 4170 Limestone—white and almost white, micro-sugary to fine sugary; some shale as above; traces of anhydrite.
4170 4180 Shale—reddish brown, silty and limey, some is green and grey, some limestone as above; small amounts of anhydrite; traces of fine sand.
4180 4190 Shale—greenish, reddish brown, and splintery grey, partly limey, some white anhydrite.
4190 4200 Shale—reddish brown, some grey and green shale, partly limey and silty; some white anhydrite.
4200 4220 Shale—moderate reddish brown; much grey and dark grey shale; much greenish grey shale beginning at 4210.
4220 4240 Shale—medium dark grey to dark grey, some limey greenish grey, and small amounts of reddish brown; traces of anhydrite.
4240 4260 Shale—medium grey to dark grey, slightly green; traces of anhydrite, reddish shale, and reddish sandstone.
4260 4270 Shale—dark grey to grey black, flaky; some medium grey, silty, bentonitic shale; small amounts of reddish brown shale.
4270 4320 Shale—dark grey, flaky; some greenish grey, lumpy to flaky, limey shale; traces of reddish shale and sandstone.
4320 4390 Shale—medium dark grey to dark grey; some reddish brown and greenish grey, partly limey, flaky shale; traces of pinkish sandstone (becoming grey) and white anhydrite.
4390 4400 Shale—dark grey, flaky; traces of reddish brown, medium grey, brownish grey and greenish grey shale; traces of fine sand and grey siltstone.
4400 4460 Shale—medium grey to dark grey, partly greenish, flaky; traces of anhydrite, reddish shale, and grey sandstone.
4460 4500 Shale as above; traces of dense white limestone, anhydrite, and fine grey sandstone; some shaly, light grey siltstone beginning at 4480.
4500 4550 Shale—medium grey to dark grey, rather firm; traces of reddish shale and sandstone and siltstone, white anhydrite, and dense white limestone.
4550 4570 Shale—medium grey to dark grey, slightly green, rather firm; small amounts of pale, very fine sugary, partly dolomitic limestone; traces of reddish shale and siltstone.
4570 4580 Shale—medium grey to grey black; traces of red and green shales, fine sand, and limestone.
4580 4610 Shale—medium dark grey to dark grey, small amounts of greenish, reddish, and brownish shales; some almost white chalky to dense limestone decreasing at 4600.
4610 4635 Shale—medium grey to dark grey, reddish brown, small amounts of greenish, yellowish, pinkish and brownish shales, becoming fine sandy at 4630; small amounts of very pale yellow grey, dense limestone increasing in quantity.
4635 4660 Shale as above; much almost white, micro-sugary and/or chalky, partly sublithographic, fossiliferous limestone becoming somewhat oolitic at 4645 and sandy at 4650.
4660 4670 Shale—as above; some limestone (as above) decreasing greatly in quantity.
4670 4680 Shale—medium dark grey, reddish brown, greyed red, light olive, and yellow becoming mostly grey; traces of anhydrite and limestone.
4680 4700 Shale—medium dark grey to grey black shale, firm to flaky, traces of variegated shale as above; traces of micro-sugary, pale limestone; missing samples: 4695-4700.
4700 4720 Shale—variegated as above, becoming mostly medium grey to dark grey; traces of dense limestone and anhydrite.
4720 4740 Shale—medium dark grey, some reddish and yellowish, traces of anhydrite and shaly limestone.
4740 4750 Shale—medium grey to dark grey, becoming green tinged, firm to flaky; small amounts of yellow and reddish shales; traces of fine sandstone and anhydrite.
4750 4760 Shale—reddish, purple, yellow, green greys; traces of white anhydrite, pale limestone, and fine sand.
4760 4780 Shale—medium grey to dark grey, flaky, partly limey; some variegated shale as above; traces of fine sand, white anhydrite and reddish siltstone.
4780 4790 Shale—medium grey to dark grey, flaky; much variegated shale as above; traces of light grey, fine sandstone.
4790 4815 Shale—dark grey to grey black, flaky and splinterly; some variegated shale as above; traces of white anhydrite and grey siltstone; traces of dense white limestone beginning at 4805.
4815 4830 Shale—medium grey to dark grey; some reddish, silty shale, some fine sugary, light grey, dolomitic limestone.
4830 4840 Shale—medium grey to grey black; some reddish brown, limey shale; much light grey, fine sugary limestone decreasing rapidly in quantity; traces of anhydrite and fine sandstone.
4840 4850 Shale—grey, variegated (red, pink, purple, yellow, brown, etc.—partly limey); traces of medium sand, limey grey siltstone, and fine grey limestone.
4850 4855 Shale as above; some dense, grey limestone; traces of anhydrite and fine sand.
4855 4860 Limestone—very light brown, micro-sugary to sublithographic partly chalky; some shale; traces of sand and anhydrite.
4860 4870 Limestone—very light grey and very light brown, sub-lithographic; much medium dark grey shale; traces of anhydrite.
4870 4880 Limestone—very pale orange, sublithographic, with some included yellow brown anhydrite; traces of pale yellow brown oolitic limestone; some grey shale.
4880 4890 Limestone—very pale yellow brown and very pale orange, micro-sugary to sublithographic; small amounts of pale yellow brown oolitic limestone; small amounts of grey and reddish shales increasing in quantity; traces of yellow brown anhydrite.
4890 4895 Shale—grey, yellowish, reddish; much pale, fine sugary to chalky limestone; small amounts of pale yellow brown anhydrite.
4895 4905 Shale—medium grey to dark grey, reddish brown, green, yellow, brownish; some limestone as above decreasing in quantity; traces of white anhydrite.
4905  4925  Shale as above; some almost white, fine sugary limestone, becoming dense; traces of anhydrite.
4925  4930  Shale--medium grey to dark grey, some reddish brown, traces of yellowish and pinkish; some pale to white, partly dolomitic fine sugary to chalky limestone; traces of white anhydrite.
4930  4955  Limestone--very pale yellow brown to yellow brown, micro-sugary and/or sublithographic, becoming partly crystalline; some shale (4930-4935) as above; traces of anhydrite.
4955  4965  Limestone--very pale yellow brown and very light grey, micro-sugary and/or chalky, partly crystalline; some grey shale; traces of reddish shale and white anhydrite.
4965  4980  Shale--medium grey to dark grey, reddish, light olive, yellowish; greenish; much limestone as above; traces of anhydrite.
4980  4985  Shale--medium grey to dark grey, partly brownish; some red, green, and olive shale; some dense, pale limestone, traces of anhydrite and light brown siltstone.
4985  4995  Shale--variegated, partly silty, becoming mostly grey and reddish; some pearly white anhydrite decreasing somewhat in quantity; small amounts of limestone as above.
4995  5000  Limestone--very pale yellow brown, micro-sugary to fine sugary; much grey and silty red shale; small amounts of anhydrite; light brown and reddish siltstone and fine sandstone.
5000  5005  Shale--medium dark grey, some silty reddish brown, traces of yellow and light olive; some limestone as above and white anhydrite.
5005  5010  Limestone--very pale yellow brown, fine sugary to sublithographic; much variegated shale; small amounts of anhydrite.
5010  5015  Shale--dark grey, some greenish grey and reddish brown; traces of limestone and light bluish grey dense dolomite, and white anhydrite.
5015  5035  Shale--dark grey, much variegated; traces of blue grey dolomite and white anhydrite increasing in quantity.
5035  5040  Shale--medium dark grey to grey black, small amounts of reddish brown and yellowish; much dense, blue grey to light grey anhydrite.
5040  5045  Dolomite--light grey to white, dense; much grey shale as above; small amounts of red and greenish shales; much pale, fine sugary, partly crystalline limestone.
5045  5065  Limestone--pale yellow brown, micro-sugary and/or chalky partly crystalline; some grey shale; small amounts of light blue grey, dense dolomite (5050-5055); traces of anhydrite.
5065  5070  Limestone--yellow brown, sublithographic and/or crystalline; much dark grey shale; traces of red shale and white anhydrite.
5070  5090  Shale--dark grey to grey black, small amounts are reddish and yellowish; some pale, fine sugary to chalky limestone (increasing: 5080-5085); traces of dense, blue grey anhydrite.
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5090</td>
<td>5100</td>
<td>Shale—medium grey to grey black, traces are reddish and yellowish; some dense, blue grey dolomite decreasing in quantity; traces of limestone and anhydrite.</td>
</tr>
<tr>
<td>5100</td>
<td>5105</td>
<td>Shale—medium dark grey to dark grey; much reddish, greenish and yellowish, partly limey shale; small amounts of limestone, anhydrite and dolomite as above.</td>
</tr>
<tr>
<td>5105</td>
<td>5110</td>
<td>Shale—dark grey, some silty reddish brown, traces of yellow and green, partly limey; some pale, dense dolomite; small amounts of white anhydrite.</td>
</tr>
<tr>
<td>5110</td>
<td>5120</td>
<td>Shale—variegated, partly limey; small amounts of dense, blue grey dolomite increasing in quantity; small amounts of white anhydrite and limestone.</td>
</tr>
<tr>
<td>5120</td>
<td>5125</td>
<td>Shale—variegated, partly limey; some dense, blue grey dolomite; some pale, micro-sugary limestone; some white anhydrite.</td>
</tr>
<tr>
<td>5125</td>
<td>5140</td>
<td>Limestone—pale yellow brown micro-sugary and/or chalky, partly crystalline; much shale as above becoming mostly dark grey at 3130; small amounts of dolomite and anhydrite as above.</td>
</tr>
<tr>
<td>5140</td>
<td>5155</td>
<td>Shale—medium dark grey to dark grey, some red and dusky yellow; some dense blue grey dolomite; traces of anhydrite and limestone as above.</td>
</tr>
<tr>
<td>5155</td>
<td>5200</td>
<td>Shale as above; small amounts of dense, blue grey dolomite; traces of limestone and anhydrite; missing samples: 5180-5185.</td>
</tr>
<tr>
<td>5200</td>
<td>5215</td>
<td>Shale—dark grey to grey black, traces of greenish grey and reddish brown; some dense, blue grey dolomite increasing greatly in quantity; traces of anhydrite and limestone.</td>
</tr>
<tr>
<td>5215</td>
<td>5220</td>
<td>Shale as above; some dense, blue grey dolomite; some very light brown, very fine sugary to micro-sugary, partly chalky limestone; small amounts of light brown sandstone.</td>
</tr>
<tr>
<td>5220</td>
<td>5235</td>
<td>Shale—dark grey to black, traces of light brown shale; much dense, blue grey dolomite ending at 5225; traces of anhydrite.</td>
</tr>
<tr>
<td>5235</td>
<td>5250</td>
<td>Shale as above; some very pale orange and very pale yellow grey, sublithographic to chalky limestone and some dense dolomite as above.</td>
</tr>
<tr>
<td>5250</td>
<td>5255</td>
<td>Limestone—very pale yellow grey, micro-sugary and/or chalky; much dark grey shale; traces of anhydrite and dolomite.</td>
</tr>
<tr>
<td>5255</td>
<td>5280</td>
<td>Shale—dark grey, small amounts are reddish and greenish; traces of limestone, dolomite, and anhydrite as above; some yellow brown, micro-sugary to fine sugary limestone beginning at 5270.</td>
</tr>
<tr>
<td>5280</td>
<td>5305</td>
<td>Limestone—very pale yellow brown to yellow brown, micro-sugary and/or chalky, partly crystalline; some medium dark gray shale; traces of dense dolomite and reddish shale and anhydrite.</td>
</tr>
<tr>
<td>5305</td>
<td>5320</td>
<td>Limestone—pale yellow brown to yellow brown, fine sugary and/or chalky; small amounts of dark grey shale.</td>
</tr>
<tr>
<td>5320</td>
<td>5330</td>
<td>Limestone—very pale yellow brown to very pale brown, fine sugary and/or chalky, partly shaly; traces of anhydrite and shale.</td>
</tr>
</tbody>
</table>
5330  5340  Limestone—pale yellow brown, very fine sugary to micro-
sugary and/or chalky, partly crystalline, partly shaly,  
fossiliferous; traces of shale and anhydrite.
5340  5365  Limestone—yellow brown, micro-sugary and/or chalky, partly  
crystalline, slightly fossiliferous; traces of shale.
5365  5370  Limestone—very pale yellow brown, micro-sugary and/or  
chalky partly crystalline; traces of dense dolomite, grey  
shale, and white anhydrite.
5370  5375  Limestone—medium yellow brown, fine sugary to micro-sugary  
and/or chalky, partly crystalline; much dense, blue grey  
dolomite; some grey shale.
5375  5390  Dolomite—white to blue grey, dense; some grey shale  
increasing in quantity; small amounts of limestone as above;  
missing samples: 5385-5390.
5390  5405  Shale—medium grey to dark grey, small amounts of light  
brown, decreasing in quantity; some dense, white anhydrite  
beginning at 5395; missing samples: 5400-5405.
5405  5410  Limestone—pale yellow brown, fine sugary to micro-sugary,  
partly pseudo-oolitic; small amounts of dolomite and shale.
5410  5415  Limestone—yellow brown, fine sugary and chalky, partly  
crystalline, partly fine oolitic; some dark grey shale.
5418  Limestone—yellow brown, fine sugary and chalky circulation  
1 1/2 hours.
5420  5430  Shale—dark grey; some pale yellow brown, fine sugary to  
micro-sugary and/or chalky, partly pseudo-oolitic.
5430  5450  Oolitic limestone—pale yellow brown, partly chalky and  
crystalline, partly fine sugary beginning at 5440, some  
dark grey shale.
5450  5465  Limestone—yellow brown, micro-sugary to chalky, partly  
crystalline and oolitic; small amounts of dark grey shale;  
traces of anhydrite dolomite.
5465  5485  Oolitic limestone—yellow brown, chalky, partly micro-  
sugary and crystalline.
5485  5500  Limestone—yellow brown, fine sugary and/or chalky, partly  
crystalline, increasingly oolitic.
5500  5520  Limestone—yellow brown, fine sugary to micro-sugary and/or  
chalky, partly crystalline.
5520  5540  Limestone—pale yellow brown to very pale orange, fine  
sugary and/or chalky, slightly oolitic; some hard,  
crystalline, light olive grey limestone beginning at 5525;  
missing samples: 5530-5535.
5540  5545  Limestone—light grey, crystalline, partly chalky; some fine  
sugary, yellow grey limestone; small amounts of grey shale.
5545  5550  Limestone—light grey to medium light grey, shaly, dense;  
much grey shale.
5550  5560  Shale—dark grey; much dense grey limestone as above.
5560  5570  Limestone—medium grey to light grey, dense to chalky,  
shaly; much medium dark grey to dark grey shale.
5570  5580  Limestone—grey, micro-sugary, partly crystalline and  
chalky; some grey shale.
5580  5585  Limestone—very pale orange, micro-sugary slightly oolitic  
in parts; small amounts of grey shale.

From  To  Formation
Limestone--yellow brown to light grey, micro-sugary and/or chalky, partly fossiliferous; small amounts of grey shale.

Limestone--pale yellow grey, very fine sugary and/or chalky, increasingly crystalline and fossiliferous; some grey shale.

Limestone--light grey, micro-sugary and/or chalky, quite crystalline; much dark grey shale.

Limestone--light grey, micro-sugary and/or chalky, partly crystalline; much dark grey shale.

Limestone--very light olive grey to light grey, crystalline, fine sugary; chalky; much dark brownish grey shale.

Shale--dark grey to grey black, traces of reddish and yellowish shales; some grey, chalky and crystalline, limestone as above.

Limestone--very light grey to light grey, chalky, partly very fine sugary and crystalline; much shale as above; missing samples: 5680-5685.

Shale--dark grey, pyritic; traces of reddish, purple, and yellowish shales; some grey, chalky and crystalline, limestone as above.

Limestone--light grey to medium light grey, micro-sugary and/or chalky, increasingly crystalline; some grey shale.

Shale--dark grey, flaky; traces of reddish, brownish, and greenish shales; small amounts of limestone as above.

Limestone--medium grey to light grey, fine sugary to micro-sugary and/or chalky, partly crystalline; small amounts of medium dark grey to dark grey shale increasing somewhat in quantity.

Limestone--light grey, fine sugary to micro-sugary and/or chalky, partly crystalline; small amounts of shale, traces of brachiopod fragments.

Limestone--light grey to yellow grey, dense to micro-sugary, partly crystalline, increasingly chalky; some grey shale; traces of brown, olive, and reddish shales; traces of brachiopod fragments.

Limestone--medium grey to light grey, micro-sugary to dense, partly chalky and crystalline; some grey shale, traces of reddish and greenish shale.

Limestone--as above, becoming slightly brownish, much light grey, chalky limestone; some shale as above.

Shale--dark grey, small amounts of reddish and greenish; some dense and chalky limestone as above, increasing in quantity.

Limestone--medium light grey, micro-sugary, shaly, partly pale orange and crystalline; small amounts of grey shale.

Limestone--medium grey to light grey, micro-sugary to dense, partly chalky and crystalline; some grey shale; scattered traces of brachiopod fragments.

Limestone--very pale orange to medium light grey, micro-sugary to dense, partly chalky and crystalline, slightly shaly, traces of brachiopods and grey shale.

Limestone--medium light grey to light grey, micro-sugary to dense, partly chalky, slightly shaly; traces brachiopods and grey shale.
5875  5890  Limestone--light grey to very pale orange, dense to chalky, partly crystalline; some grey green and reddish shale becoming partly dusky yellow at 5885.

5890  5905  Shale--medium grey to dark grey, traces of yellow, red, and green; small amounts of dense to chalky, grey limestone increasing greatly in quantity.

5905  5910  Limestone--greys, micro-sugary to dense, partly chalky and crystalline; brachiopod fragments; small amounts of grey shale.

5910  5920  Shale--medium dark grey to dark grey, traces of yellow, red, and greenish; some dense to chalky, grey limestone; traces of anhydrite and olive grey chert.

5920  5935  Shale--grey and brownish grey; much dense to chalky, grey limestone; some olive grey chert.

5935  5945  Limestone--light olive grey, dense, brittle, partly chalky, partly dolomitic; small amounts of grey shale.

5945  5950  Shale--medium grey to dark grey, partly brownish; traces of red, yellow, and greenish shale; small amounts of dense, grey limestone.

5950  5975  Limestone--medium light grey to light grey, micro-sugary to chalky; brachiopod fragments; some shale as above; scattered traces of chert.

5975  5990  Limestone--light grey to black to light olive grey, micro-sugary to dense, partly chalky, fossiliferous; much dark grey shale.

5990  6005  Limestone--medium light grey, partly brownish, micro-sugary to dense, partly chalky; some olive grey chert, decreasing steadily in quantity; traces of grey shale.

6005  6020  Limestone--medium light grey to light grey, slightly orange and yellow in part, dense to chalky; traces of shale and chert.

6020  6025  Limestone--light olive grey, dense, brittle, partly chalky; small amounts of grey shale; traces of chert.

6025  6035  Shale--dark brownish grey, splinterly; some dense grey limestone decreasing in quantity.

6035  6040  Shale--medium grey to dark grey, some brown, red, green, and olive; much micro-sugary to chalky, grey limestone.

6040  6055  Limestone--grey, dense to micro-sugary, partly chalky; some brownish grey and dark brownish grey shale, decreasing somewhat in quantity.

6055  6060  Shale--medium dark grey to dark grey; some dense, grey limestone; traces of anhydrite and reddish shale.

6060  6065  Limestone--light grey to light brown, dense, partly chalky; some grey shale; small amounts of reddish and greenish shales.

6065  6100  Limestone--medium grey to light grey, very dense; traces of olive grey chert beginning at 6065 and much chert beginning at 6080; much grey shale (6090-6100).

6100  6115  Limestone--grey, micro-sugary, and/or chalky, becoming sub-lithographic; brachiopod fragments; small amounts of grey shale; small amounts of light grey chart (much chert beginning at 6110).
Limestone--medium light grey, sublithographic; traces of chert and grey shale.

Shale--grey, silty greenish grey, becoming mostly brownish grey; traces of pink and white anhydrite, dense limestone and chert.

Limestone--medium light grey, dense to chalky, becoming sublithographic; some grey to light olive grey shale; traces of chert and pyrite.

Limestone--very pale yellow grey to light grey, micro-sugary to dense, partly chalky; some grey and reddish shale.

Shale--medium grey to dark grey; much micro-sugary to chalky, yellow brown limestone.

Limestone--light grey, dense to chalky; much grey shale beginning at 6170.

Limestone--medium grey to light grey, sublithographic to dense; much medium grey to dark grey shale; traces of red shale, white anhydrite, and olive grey chert.

Limey shale--light brown (5YR5/6); small amounts of grey shale as above, increasing in quantity; some dense, light grey limestone.

Limey shale as above; some medium grey to dark grey shale; increasing steadily in quantity; some dense limestone, becoming pinkish at 6210; missing samples: 6215-6220.

Dolomitic limestone--greyish orange, micro-sugary; much dark grey to medium grey, splintery shale traces anhydrite and gypsum.

Shale--dark grey to medium grey; much grey to greyish orange dense limestone, becoming dolomitic at 6235; traces of anhydrite.

Limestone--yellow brown, fine sugary, somewhat dolomitic; some grey shale; small amounts of reddish shale; traces of anhydrite.

Limestone--yellow brown and light grey, fine sugary and/or chalky; small amounts of grey shale; traces of reddish shale.

Limestone--pale yellow brown to light grey, sublithographic to chalky, partly fine crystalline.

Limestone--medium yellow brown to light grey, fine sugary to dense, partly dolomitic; traces of white anhydrite and dark grey shale.

Limestone--pale yellow brown to light grey, fine sugary to dense, partly chalky; much grey shale.

Shale--medium dark grey to dark grey, flaky, traces of red and greenish; much limestone as above, beginning at 6285 and increasing in quantity.

Limestone--pale, sublithographic to lithographic; much grey shale.

Limestone--very pale olive grey to very pale yellow grey, micro-sugary to dense, partly lithographic; some grey shale.

Limestone--pale yellow brown to very pale orange, micro-sugary, partly chalky, partly dolomite.
Limestone--light olive grey, dense, slightly dolomitic in part; some limestone as above; small amounts of grey shale.

6320 6325 Limestone--very pale orange, fine sugary; partly chalky, slightly dolomitic in part; small amounts of grey shale.

6325 6330 Dolomitic limestone--very pale orange to very pale yellow brown, fine sugary, partly chalky; small amounts of shale.

6330 6365 Dolomitic limestone and limey dolomite--pale orange and pale yellow brown, sugary, partly chalky and sublithographic beginning at 6350; traces of anhydrite and shale.

6365 6385 Limestone--pale orange to very pale yellow brown, fine sugary to sublithographic, partly chalky, partly dolomitic, becoming more dolomitic and sugary at 6380; traces of anhydrite and grey shale.

6385 6400 Limestone--yellow brown to very pale orange, fine sugary to chalky becoming rather sublithographic at 6390; small amounts of shale; traces of quartz and anhydrite.

6400 6415 Limestone--very pale orange to very pale yellow brown, fine sugary to chalky, partly dolomitic; small amounts of grey shale; traces of anhydrite.

6415 6420 Dolomitic limestone--yellow grey, micro-sugary to chalky, grades to limey dolomite; some medium grey to dark grey shale.

6420 6430 Limey dolomite--yellow brown, sugary.

6430 6440 Shale--dark grey, flaky. (Cave?)

6440 6450 Limestone--very pale orange to very pale yellow brown, sub-lithographic, much dark grey shale, decreasing in quantity.

6450 6475 Limestone--very pale orange to very pale yellow brown, micro-sugary and/or sublithographic; some medium dark to dark grey shale, decreasing steadily in quantity; small amounts of very light olive grey, dense limestone beginning at 6465.

6475 6495 Limestone--light olive grey, very dense; much shale as above; fossils; some grey shale (6475-6480).

6495 6505 Limestone--light olive grey to very pale yellow brown, micro-sugary to sublithographic, partly chalky; traces of shale.

6505 6515 Limestone--very pale orange, sublithographic to lithographic; some dense, light olive grey shale beginning at 6510; small amounts of grey shale.

6515 6530 Shale--medium grey to medium dark grey; much very pale orange, fine sugary to sublithographic limestone.

6530 6560 Limestone--very pale orange to light grey to pale yellow brown, micro-sugary to dense, partly chalky; some grey shale; traces of red and green shale; traces of yellow, olive and brown shales beginning at 6540.

6560 6570 Dolomitic limestone--very pale orange to very light grey, becoming light olive grey, micro-sugary; much sub-lithographic limestone as above; some very light grey, chalky limestone; small amounts of dark grey shale.

6570 6575 Dolomitic limestone and limey dolomite--pale, micro-sugary to sublithographic, partly chalky. From  To Formation
Limestone--very pale orange to very light grey, dense to sublithographic; some dark grey to white mottled, dense to chalky limestone beginning at 6585; small amounts of dark grey shale.

Limestone--very light grey to pale yellow grey, micro-sugary, partly denser and dolomitic at 6595; some grey shale.

Limestone--very pale orange to very light grey to very light brown, micro-sugary to dense, partly chalky, becoming mostly sublithographic; small amounts of grey shale.

Limestone--very pale orange, partly light grey, fine sugary to dense, partly chalky, slightly shaly.

Limestone--very pale orange to very pale yellow brown, dense to chalky, slightly shaly; traces of shale and pyrite.

Limestone--very pale orange to very pale yellow brown, micro-sugary to dense, partly chalky; much dark grey, partly greenish, flaky shale.

Limey shale--moderate reddish orange (10R6/6); much very pale yellow brown, dense limestone; some dark grey shale; traces of sand and pyrite.

Limestone--yellow brown, very dense to sublithographic; some shale as above, increasing in quantity.

Shale--medium grey to dark grey, traces of red and green; some dense limestone as above; traces of anhydrite and shell fragments.

Limestone--very pale orange to almost white, dense to sublithographic; much shale as above.

Limestone--almost white, sublithographic; small amounts of grey shale; some dense, grey and very pale yellow brown limestone beginning at 6670.

Limestone--very pale yellow brown, very dense, some almost white limestone as above; small amounts of grey shale.

Limestone--very pale brown to very light grey, very dense, much is chalky and sublithographic; small amounts of shale.

Limestone--very pale orange to very pale yellow brown, very dense to sublithographic, partly chalky; traces of shale.

Limestone--very pale yellow brown to very pale orange, sublithographic, partly dense, quite chalky (6765-6775); small amounts of grey shale.

Shale--medium grey to dark grey; much dense, light grey to very light brown limestone.

Limestone--light grey to very pale orange, micro-sugary to dense, partly chalky; some dark grey shale, increasing at 6795.

Dolomitic limestone--pale yellow brown to light grey, micro-sugary; some dark grey shale.

Limestone--light grey to pale yellow brown, micro-sugary; much dark grey shale (6805-6810).

Limestone--medium grey, dense; some very pale orange, chalky limestone; much dark grey shale.
16

6815-6835 Limestone—very pale orange to light grey, micro-sugary to dense, shaly, partly chalky, increasingly dolomitic beginning at 6825; some grey shale; traces of fine to medium, rounded sand.

6835-6865 Dolomitic limestone—almost white, micro-sugary to dense, becoming yellow grey at 6850; small amounts of shale increasing at 6850.

6865-6880 Limestone—very pale yellow grey, micro-sugary and/or dense, partly dolomitic; much dark grey shale, traces of red and green shales.

6880-6895 Dolomitic limestone—very pale yellow grey, dense; much dark grey shale, decreasing rapidly in quantity.

6895-6905 Dolomitic limestone—light grey to very pale yellow grey, very dense; small amounts of dark grey shale.

6905-6910 Limestone—very light grey to very light brown, micro-sugary, shaly, somewhat dolomitic, small amounts of dark grey shale.

6910-6915 Limey shale to shaly lime—very light grey to very light brown, lumpy; much limestone as above.

6915-6925 Shale—medium grey to dark grey; much light grey and light brown, micro-sugary, shaly limestone.

6925-6935 Limey dolomite—very pale orange to white, rather pearly, very dense; much grey shale, decreasing in quantity.

6935-6995 Dolomite—very pale orange, dense, vitreous, partly crystalline; much dark grey shale (6965-6970); missing samples: 6940-6965, 6970-6985.

6995-7060 Dolomite—very pale orange, dense, vitreous, partly crystalline, somewhat limey; much dark grey shale, decreasing steadily in quantity and ending at 7010.

7060-7070 Limestone—almost white, sublithographic; much dense dolomite as above, decreasing in quantity.

7070-7075 Dolomitic limestone—very pale orange to white, micro-sugary to dense.

7075-7080 Dolomite—very pale orange to white, micro-sugary to dense, slightly limey.

7080-7090 Limestone—almost white, dense, rather vitreous, increasingly dolomite.

7090-7100 Dolomitic limestone—very pale orange to white, sublithographic to dense.

7100-7120 Limey dolomite—very pale orange to white, sublithographic to dense; much dark grey shale (slightly green in part) beginning at 7110.

7120-7135 Dolomitic limestone—very pale orange to white, micro-sugary to dense, partly limey dolomite beginning at 7130; much dark grey shale.

7135-7155 Dolomitic limestone and limey dolomite—very pale orange to white, sublithographic; some dark grey shale beginning at 7145; traces of sand beginning at 7145.

7155-7175 Dolomite—very pale, dense, vitreous, increasingly limey; much dark grey shale; traces of fine sand; missing samples: 7165-7175.

From   To   Formation
7175 7185 Dolomitic limestone--very pale orange to white, sub-lithographic, partly limey dolomite beginning at 7180; much dark grey shale; traces of fine, subangular sand.

7185 7200 Dolomite--very pale orange to white, very dense, becoming limey; some grey shale; traces of reddish and pinkish shale, green shale, and subangular sand.

7200 7205 Dolomitic limestone--almost white, sublithographic; small amounts of grey shale.

7205 7215 Limey dolomite--very pale orange to almost white, micro-sugary to very dense; some dark grey shale; traces of anhydrite and red shale.

7215 7240 Dolomite--very pale orange to almost white, very dense; much dark grey shale; traces of anhydrite and red shale; traces of pyrite and yellow sandstone at 7235; missing samples: 7220-7230.

7240 7245 Dolomitic limestone--very pale orange to almost white, very dense; some dark grey shale; traces of sand, reddish sandstone and anhydrite.

7245 7260 Limestone--very pale orange to almost white, very dense, much is limey dolomite beginning at 7250; some dark grey shale; traces of red shale, yellow sandstone, sand, and fossiliferous grey limestone.

7260 7285 Limey dolomite and dolomitic limestone--very pale orange to almost white, very dense; much dark grey shale; traces of red shale and round sand; missing samples: 7265-7285.

7285 7290 Dolomite to limestone--very pale orange to white to yellow brown, very dense, partly micro-sugary; much dark grey shale; traces of sand, red shale, hematite and green shale.

7290 7300 Limey dolomite--pale, micro-sugary to sublithographic, partly dolomitic limestone; small amounts of grey shale; traces of red shale.

7300 7310 Dolomite--very pale orange and white, very dense and vitreous, partly fine sugary; small amounts of shale.

7310 7315 Limestone--very pale orange to pale yellow brown to white, sugary to very dense, partly dolomitic.

7315 7330 Limy dolomite--very pale orange to very light grey, micro-sugary to very dense; much very pale orange to light olive grey, very dense limestone beginning at 7320; a small amount of grey to white mottled, fossiliferous limestone beginning at 7325; small amounts of grey shale; traces of sand, pyrite, green shale, and bryozoa beginning at 7325.

7330 7335 Limey dolomite to limestone--light grey to very pale orange, micro-sugary to dense; much grey shale; traces of red shale and fine sand.

7335 7350 Dolomite--light grey to very pale orange, micro-sugary to dense, some is limestone; much medium grey to dark grey shale; small amounts of sand; traces of pyrite; traces of reddish, greenish, and yellowish shale beginning at 7345.

7350 7355 Shale--dark grey, some variegated; some pale, dense, dolomitic limestone.

From  To  Formation
7355  7370  Shale--dark grey, some reddish; some limestone and dolomite as above, increasing amounts of limestone; traces of mottled white to black, crystalline limestone beginning at 7360; traces of bryozoan at 7365.

7370  7420  Limestone--white to black, dense, fossiliferous; some fine sugary to dense, pale dolomite ending at 7375; some grey and reddish shale increasing in quantity; traces of sand at 7375; traces of bryozoan; missing samples: 7380-7385; 7395-7420.

7420  7425  Limestone--very light olive grey to very pale yellow brown, very dense, partly micro-sugary; some grey and white, fossiliferous limestone as above; traces of red and grey shale and pyrite.

7425  7455  Limestone--yellow brown, very dense; much dense, grey and white, fossiliferous limestone as above; traces of white lithographic limestone, bryozoan, and white anhydrite beginning at 7435; missing samples: 7430-7435.

7455  7475  Limestone--yellow brown to white to very light grey, micro-sugary to sublithographic; some grey limestone as above; traces of shale, anhydrite, and pyrite; missing samples: 7460-7475.

7475  7480  Limestone--very light olive grey to very pale yellow brown, micro-sugary to sublithographic; much medium dark grey to dark grey shale; traces of pyrite and sand.

7480  7485  Shale--medium grey to dark grey, partly greenish grey, some reddish, traces of olive and brown; small amounts of limestone, anhydrite, and dolomite as above.

7485  7495  Shale--grey and reddish; some dense, pale limestone, dolomite and anhydrite; traces of green shale.

7495  7505  Shale--medium grey to dark grey, increasing amounts of reddish shale; traces of yellow, green, and brown shale; small amounts of dense limestone and dolomite.

7505  7510  Shale--black, some red green, and grey shale; some pale, dense to micro-sugary limestone and dolomite.

7510  7520  Limestone--very pale yellow brown to pale orange, micro-sugary, partly chalky and crystalline; some shale as above; traces of dolomite, anhydrite, and fine sand.

7520  7525  Limestone--pale orange, micro-sugary to sublithographic; much shale as above; traces of anhydrite, sandstone, and dolomite.

7525  7530  Limey dolomite to dolomitic limestone--very pale orange, micro-sugary to dense, much red, grey, green, yellow, and purple shale.

7530  7535  Limey dolomite as above; much grey and red shale; traces of purple and greenish shale; small amounts of limestone.

7535  7540  Shale--variegated; much dense limey dolomite to dolomitic limestone as above.

7540  7545  Limey dolomite to dolomitic limestone--very pale orange, micro-sugary; much grey and red shale; traces of white anhydrite.

7545  7560  Limey dolomite--pale orange to pale orange brown, dense to micro-sugary, partly dolomitic limestone beginning at 7550, some shale as above.
7560 7580 Limey dolomite to dolomitic limestone--very pale orange to almost white, micro-sugary to very dense, increasingly limey; some grey and red shale; traces of green shale, anhydrite, and very fine sand.

7580 7585 Dolomite--pale yellow brown, micro-sugary, somewhat limey; traces of shale, anhydrite, fine sand, and fossil fragments.

7585 7595 Limestone--very pale yellow brown and very pale orange, micro-sugary; some shale, decreasing in quantity; traces of anhydrite and orange sandstone.

7595 7600 Limestone to dolomite--very pale yellow brown, micro-sugary to dense; small amounts of red, yellow and grey shale; traces of anhydrite.

7600 7615 Limestone--very pale orange to almost white, micro-sugary, partly dolomitic; small amounts of shale.

7615 7625 Limestone--very pale yellow grey to very pale yellow brown, micro-sugary to sublithographic; traces of shale and anhydrite.

7625 7645 Limestone--yellow grey, micro-sugary to sublithographic; traces of shale (increasing), pyrite and anhydrite.

7645 7650 Limestone--very pale yellow grey, dense, partly chalky, partly dolomite; some grey shale.

7650 7655 Shale--black, grey, red, green, olive; much very pale yellow brown to almost white, crystalline to sublithographic limestone, partly dolomite.

7655 7665 Limestone--very pale yellow brown, micro-sugary to sublithographic, very dense in parts; some grey and red shale; traces of anhydrite and olive shale.

7665 7680 Limestone--very pale yellow brown, micro-sugary to sublithographic, partly dolomitic; some dark grey shale; traces of silty red shale; missing samples: 7670-7680.

7680 7720 Limestone--very light brown to very light grey, micro-sugary to sublithographic; some dark grey shale, decreasing in quantity; traces of reddish shale and fine sandstone; missing samples: 7690-7700; 7705-7710.

7720 7725 Limestone--pale brown to very pale orange, fine sugary to sublithographic; small amounts of grey, green, and reddish shales.

7725 7730 Limestone--very pale yellow brown, micro-sugary to chalky; some grey and reddish shale; traces of greenish shale.

7730 7740 Limestone--yellow brown to light grey, crystalline and/or chalky, partly micro-sugary; small amounts of shale; traces of medium sand and white anhydrite.

7740 7770 Limestone--very pale yellow brown to very pale yellow grey, micro-sugary, partly sublithographic and crystalline; traces of medium dark grey shale.

7770 7780 Limestone--very pale yellow brown, fine sugary to chalky; traces of shale.

7780 7800 Limestone--very pale yellow brown to yellow brown, fine sugary to sublithographic, becoming denser at 7785; becoming partly fine sugary and very pale orange at 7790; traces of dark grey shale.

7800 7820 Limestone--very pale orange and yellow grey, fine sugary to sublithographic; traces of shale.

From  To  Formation
Limestone—yellow brown to pale orange, fine sugary to sub-lithographic, becoming denser at 7830; traces of shale and bryozoa.

Limestone—pale yellow brown to almost white, micro-sugary to chalky, partly crystalline.

Total depth.