

Report No. Tucker 1

Company: Ohio Oil Company, Findlay, Ohio  
 Farm: W. Va. Power & Transmission Co. (Kaemmerling, Trustee)  
 Location: 0.25 mi. S. of 39°25' and 3.52 mi. W. of 79°20' - 80 - Davis  
 Quadrangle; 5.2 miles SE of Davis.  
 Well No: 1 Elevation: 3358' L. (Derrick Floor)  
 District: Dry Fork District, Tucker County, West Virginia  
 Drilling Commenced: November 22, 1942.  
 Drilling Completed: July 3, 1944.  
 Volume: 120,000 cu. ft; Bottom Hole Rock Pressure 3200# in 24 hrs.

Casing Record: 13" @ 39'; 10" @ 1048'; 6 5/8" @ 4023'; 5 3/16" @ 7770';  
 2 1/2" tubing @ 8032'.

Cable tools reached 7979' Dec. 10, 1943; could not go deeper because of unsuccessful fishing job. Rotary tools moved on Dec. 30, 1943, window milled through pipe at 7480' and new hole drilled to total depth of 8046'. Ten feet should be subtracted from the depths for rotary samples to make them correspond to those for the rest of the well because derrick floor was raised by this amount.

Section is based on samples from surface to total depth, examined by J.H.C. Martens. The well starts in the lower part of the Pocono Formation and when sampling was started at a depth of 148' it had already reached the Catskill red beds. The driller's record gives no details for the upper part of the well for which samples are missing, so it is not definitely known whether the Berea sandstone is present, but the interval from the Berea to the top of the Onondaga could not be less than 7632'. This well shows the largest thickness of Upper and Middle Devonian rocks drilled through in West Virginia.

<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	<u>Remarks</u>
			<u>Catskill Formation, 1826' Feet</u>
148	160	12	Shale, red, silty, 80%; light-gray sandy siltstone, 20%.
160	164	4	Shale, red, dolomitic, 80%; light-green and very light brown dolomite, 20%.
164	184	20	Shale, red, with some spots of green; also a little light-green siltstone.
184	190	6	Siltstone, red, fine.
190	225	35	Shale, red
225	231	6	Shale, red and green
231	235	4	Shale, gray and green
235	240	5	Shale, gray
240	259	19	Shale, red
259	278	19	Siltstone, light-gray, sandy
278	285	7	Shale and coarse siltstone, gray; a little coal in the siltstone
285	291	6	Shale, gray
291	308	17	Sandstone, white to light green, very fine; calcareous near top
308	313	5	Siltstone, light green, coarse (only slightly finer than the sandstone above and below)
313	323	10	Sandstone, light green, very fine
323	329	6	Siltstone, red, sandy
329	335	6	Siltstone, red and green, coarse
335	341	6	Sandstone, very light green, very fine, dolomitic
341	347	6	Shale, gray, very silty
347	353	6	Siltstone, gray, fine and shaly
353	363	10	Siltstone, light-gray
363	373	10	Siltstone, grayish-green
373	382	9	Siltstone, red
382	403	21	Sandstone, white x and very light green; dolomitic, 382-391'.
403	407	4	Shale, red, silty
407	412	5	Shale, grayish-green, very silty
412	418	6	Siltstone, red and green
418	423	5	Siltstone, light red, sandy
423	432	9	Sandstone, very light green, very fine
432	437	5	Sandstone, very light green, dolomitic
437	452	15	Siltstone, red and green, sandy
452	458	6	Sandstone, light green, very fine, dolomitic
458	463	5	Sandstone, white, fine, 50%; red and green shale, 30%; nearly white dolomite, 20%.
463	473	10	Shale, red

473	481	8	Siltstone, red
481	514	33	Shale, red; a few pieces of green shale and siltstone
514	533	19	Siltstone, red
533	539	6	Shale, red, very silty, 70%; green siltstone and shale, 30%
539	546	7	Siltstone and shale, grayish-green
546	569	23	Shale, red
569	584	15	Siltstone, red, coarse
584	593	9	Sandstone, white, with green specks, very fine
593	605	12	Siltstone, red, coarse
605	610	5	Sandstone, light green, very fine, slightly dolomitic
610	615	5	Siltstone, light green, sandy
615	639	24	Sandstone, light red, very fine, silty
639	659	20	Sandstone, very light green, fine to very fine
659	665	6	Siltstone, green, red, and white, sandy
665	675	10	Sandstone, light green, very fine
675	679	4	Sandstone, light brown and light green, very fine
679	689	10	Sandstone, very light green, very fine
689	694	5	Sandstone, light red, very fine
694	709	15	Sandstone, white to greenish, very fine, 90%; very light brown dolomite, 10%
709	716	7	Sandstone, light green, very fine, 50%; red shale and siltstone, 50%
716	728	12	Siltstone, red
728	733	5	Sandstone, white, with some red, very fine
733	737	4	Sandstone, nearly white, very fine, 80%; red siltstone, 15%; brown dolomite, 5%
737	746	9	Siltstone, red, very sandy
746	749	3	Shale, red, very silty
749	754	5	Siltstone, red, sandy, with a little red and brown dolomite
754	758	4	Siltstone, light green, 90%; very fine textured dolomite 10%
758	762	4	Siltstone, red and light green, with a few pieces of green dolomite
762	770	8	Siltstone, light red, very sandy
770	781	11	Siltstone, red, fine
781	793	12	Shale, red, silty
793	798	5	Siltstone and shale, red
798	804	6	Siltstone, red and light green
804	824	20	Shale, red
824	837	13	Siltstone, red
837	849	12	Siltstone and shale, red
849	853	4	Siltstone, light red and light green, very sandy
853	860	7	Shale, red, silty
860	872	12	Shale, grayish-green
872	878	6	Siltstone, red, fine
878	887	9	Shale and siltstone, red
887	907	20	Sandstone, light red, fine to very fine, somewhat dolomitic
907	923	16	Siltstone, red, fine
923	934	11	Sandstone, light red, very fine, 70%; red siltstone, 30%
934	939	5	Shale and siltstone, red; also a little red sand and red dolomite
939	963	24	Sandstone, red, very fine
963	966	3	Siltstone, red, sandy
966	978	12	Sandstone, light red, fine
978	986	8	Siltstone, red
986	1012	26	Sandstone, light red, fine to very fine
1012	1015	3	Sandstone, light red, very fine, dolomitic
1015	1019	4	Sandstone, light red, very fine
1019	1025	6	Siltstone, red, sandy
1025	1028	3	Sandstone, red, very fine
1028	1031	3	Siltstone, light green, very sandy
1031	1036	5	Siltstone, red, very sandy
1036	1055	19	Sandstone, light red, very fine
1055	1061	6	Siltstone, red
1061	1071	10	Sandstone, light red and light green, fine
1071	1087	16	Sandstone, white and light red, fine to very fine
1087	1093	6	Siltstone, red, dolomitic
1093	1097	4	Sandstone, red, very fine
1097	1117	20	Sandstone, very light gray and very light red, very fine

1117	1121	4	Sandstone, light red, fine, 70%; red siltstone, 30%
1121	1126	5	Siltstone, green, gray, and red, sandy
1126	1144	18	Sandstone, light gray, very fine
1144	1163	19	Sandstone, red, very fine
1163	1166	3	Siltstone, red
1166	1171	5	Sandstone, light gray, very fine
1171	1193	22	Siltstone, red
1193	1208	15	Sandstone, red, very fine
1208	1216	8	Siltstone, red, dolomitic, sandy
1216	1221	5	Siltstone, red, fine; a little red dolomite
1221	1236	15	Sandstone, light gray, fine to very fine
1236	1243	7	Sandstone, light red and light gray, fine to very fine
1243	1253	10	Shale, red, silty
1253	1265	12	Siltstone, red
1265	1276	11	Siltstone and shale, red
1276	1280	4	Shale, red
1280	1287	7	Siltstone and shale, red
1287	1291	4	Siltstone, red
1291	1297	6	Siltstone, gray, very sandy; some transparent quartz crystals and a little pyrite, apparently formed in veins (about 10,000 cu.ft. of gas at 1297')
1297	1307	10	Sandstone, gray, very fine, with quartz crystals formed in veins
1307	1315	8	Siltstone, grayish-red, sandy, with a few quartz crystals
1315	1322	7	Siltstone, gray, fine with many fragments of quartz crystals
1322	1333	11	Shale and siltstone, red, with some fragments of quartz crystals
1333	1350	17	Siltstone, red, mostly sandy
1350	1360	10	Siltstone, light gray, light green, and red, sandy
1360	1365	5	Siltstone, red, sandy
1365	1369	4	Siltstone, light grayish, -green, sandy
1369	1374	5	Sandstone, light gray, very fine
1374	1378	4	Siltstone, light gray, sandy, 60%; gray shale 40%
1378	1403	25	Siltstone, light gray, sandy, slightly dolomitic with a few quartz crystals
1403	1405	2	Siltstone, red and light gray, sandy
1405	1411	6	Shale and siltstone, red
1411	1419	8	Siltstone, red
1419	1426	7	Sandstone, red, very fine
1426	1434	8	Sandstone, light red and light green, very fine
1434	1439	5	Sandstone, very light gray, very fine
1439	1447	8	Sandstone, very light gray, fine with a few coarse grains; small amount of pyritic coal
1447	1451	4	Sandstone, light gray to reddish, fine with many fragments of clear quartz crystals
1451	1454	3	Sandstone, light red, very fine
1454	1472	18	Siltstone, red, mostly sandy
1472	1488	16	Siltstone, light red and light green, very sandy
1488	1512	24	Sandstone, very light gray to greenish, very fine
1512	1516	4	Siltstone, red and light green, sandy; a little dolomite in red portion
1516	1527	11	Siltstone, red, sandy, dolomitic
1527	1539	12	Shale, red
1539	1542	3	Sandstone, red, very fine
1542	1547	5	Siltstone, red
1547	1554	7	Shale and siltstone, red, 70%; green siltstone, 30%
1554	1561	7	Shale and siltstone, green
1561	1563	2	Siltstone, light green, very sandy
1563	1570	7	Shale, gray
1570	1576	6	Sandstone, light gray, fine, 50%; gray shale, 30%; very light brown dolomite, 20%
1576	1579	3	Sandstone, light gray with small black specks, very fine, 90%; very light brown dolomite, 10%
1579	1586	7	Sandstone, nearly white, with small black specks, fine
1586	1591	5	Sandstone, light gray, very fine
1591	1596	5	Siltstone, gray, mostly sandy
1596	1609	13	Siltstone, gray, very sandy, 60%; gray shale, 40%
1609	1622	13	Sandstone, light gray, with small black specks, very fine

1622	1636	14	Shale, gray, 60%; coarse greenish siltstone, 40%
1636	1639	3	Sandstone, gray, very fine
1639	1641	2	Sandstone, gray, very fine, with a few coarse grains
1641	1645	4	Siltstone, gray, sandy, 80%; gray shale, 20%; a few coarse sand grains in the siltstone
1645	1654	9	Sandstone, very light gray, very fine
1654	1664	10	Sandstone, very light gray, medium-grained
1664	1672	8	Sandstone, light gray, very fine
1672	1676	4	Shale, gray, 60%; gray and green siltstone, 40%
1676	1687	11	Sandstone, nearly white, fine, with a few coarser grains
1687	1694	7	Siltstone, light gray, very sandy
1694	1725	31	Sandstone, nearly white to very light green
1725	1746	21	Shale, gray, silty
1746	1749	3	Siltstone, gray, coarse
1749	1771	22	Shale, gray to brownish
1771	1831	60	Shale, gray to grayish-green, very silty
1831	1864	33	Siltstone, gray, shaly
1864	1871	7	Shale, red, 60%; green siltstone and shale, 40%
1871	1882	11	Siltstone, gray and light-green, 50%; red, green, and dark-gray shale, 50%
1882	1901	19	Sandstone, light brown and light green, very fine
1901	1908	7	Shale, red, 50%; green siltstone, 50%
1908	1915	7	Siltstone, grayish-green, shaly
1915	1921	6	Siltstone, red, 60%; green shaly siltstone, 40%
1921	1926	5	Siltstone, light green, 70%; red siltstone, 30%
1926	1941	15	Siltstone, light gray, very sandy
1941	1944	3	Sandstone, nearly white, very fine
1944	1949	5	Sandstone, very light green, medium-grained
1949	1956	7	Siltstone and shale, red and green, 60%; light green, very fine sandstone, 40%
1956	1963	7	Shale, red
1963	1969	6	Siltstone, red
1969	1974	5	Siltstone, light green and red

Chemung, Portage, Genesee, Hamilton and Marcellus Formations, 5906 feet

1974	1979	5	Sandstone, very light gray, very fine
1979	1993	14	Shale, gray
1993	2001	8	Siltstone and shale
2001	2086	85	Shale, gray, interstratified with smaller amount of gray to greenish siltstone
2086	2103	17	Siltstone and silty shale, gray
2103	2114	11	Siltstone, gray, 50%; dark gray siltstone, 30%; gray shale, 20%
2114	2208	94	Shale and siltstone, gray
2208	2215	7	Siltstone, light gray, sandy
2215	2221	6	Sandstone, light gray, very fine
2221	2225	4	Siltstone, light grayish-green, coarse
2225	2279	54	Sandstone, very light grayish green, very fine
2279	2284	5	Sandstone, very light red, fine
2284	2290	6	Sandstone, light gray, fine
2290	2314	24	Siltstone, gray to grayish-green, sandy
2314	2338	24	Sandstone, very light gray, with green specks, very fine; also some gray siltstone (15,000 cu. ft. gas at 2327 and 2415')
2338	2354	16	Siltstone, grayish-green, with a little gray sh.
2354	2367	13	Siltstone, light grayish green, slightly dolomitic
2367	2381	14	Siltstone, grayish-green
2381	2415	34	Siltstone and shale, gray to grayish-green
2415	2434	19	Siltstone, gray
2434	2449	15	Siltstone and silty shale, gray
2449	2454	5	Siltstone, light gray
2454	2511	57	Siltstone and shale, gray
2511	2516	5	Siltstone, gray
2516	2537	21	Shale and siltstone, gray
2537	2540	3	Siltstone, grayish-green
2540	2584	44	Shale and siltstone, gray
2584	2597	13	Shale, grayish-green with a little siltstone
2597	2606	9	Shale and siltstone, gray, 80%; red siltstone, 20%
2606	2616	10	Siltstone, grayish-green
2616	2622	6	Siltstone, gray, shaly
2622	2631	9	Shale and siltstone, gray, with a few sand grains
2631	2643	12	Siltstone, light green
2643	2664	21	Shale, gray, 50%; light green, sandy siltstone, 50%

2664	2687	23	Shale, gray, 70%; light green siltstone, 30%
2687	2695	8	Sandstone, white and light green, very fine
2695	2700	5	Sandstone, white, very fine
2700	2727	27	Sandstone, white, medium to fine grained
2727	2763	36	Shale, gray
2763	2777	14	Shale and siltstone, gray, & 90%; coarse white sandstone, 10%
2777	2784	7	Siltstone, grayish-green, 60%; brown siltstone, 40%
2784	2793	9	Siltstone, dark gray, shaly
2793	2797	4	Siltstone, grayish-green
2797	2819	22	Shale and siltstone, gray
2819	2825	6	Siltstone, brown
2825	2835	10	Siltstone and silty shale, gray
2835	2855	20	Siltstone, gray, dark gray and brown
2855	2866	11	Siltstone and shale, gray
2866	2881	15	Siltstone, grayish-green
2881	2904	23	Siltstone and silty shale, gray to grayish-green
2904	2928	24	Shale, gray
2928	2961	33	Shale and siltstone, gray; some fossil shells in the siltstone
2961	2964	3	Siltstone, light gray
2964	2974	10	Shale, dark gray, 60%; gray siltstone, 40%
2974	2984	10	Shale and siltstone, dark gray
2984	2989	5	Siltstone, dark gray
2989	3000	11	Siltstone and shale, gray to dark gray
3000	3020	20	Siltstone, gray
3020	3033	13	Siltstone and shale, gray
3033	3055	22	Siltstone, grayish-green, fossiliferous
3055	3070	15	Shale, gray
3070	3148	78	Siltstone and silty shale, gray; a few fossil shells in upper part
3148	3161	13	Siltstone, gray
3161	3220	59	Shale and fine siltstone, gray
3220	3265	45	Shale, gray
3265	3276	11	Shale and siltstone, dark gray
3276	3291	15	Shale, gray silty
3291	3296	5	No sample
3296	3354	58	Shale, gray
3354	3371	17	Shale and siltstone, gray; some of siltstone is very dark
3371	3395	24	Shale, gray
3395	3406	11	Siltstone, gray, shaly
3406	3422	16	Shale, dark-gray, 60%; gray siltstone, 40%
3422	3431	9	Shale, gray to dark gray, 50%; gray siltstone, 30%; coarse, poorly sorted sandstone with white quartz grains and dark-gray cement
3431	3445	14	Siltstone, very dark gray, 60%; gray shale, 30% coarse sand, 10%
3445	3486	41	Shale and shaly siltstone, dark gray
3486	3503	17	Siltstone, light gray, 80%; gray shale, 20%
3503	3539	36	Shale and siltstone, gray
3539	3544	5	Siltstone, light gray
3544	3558	114	Shale and shaly siltstone, gray
3558	3668	10	Shale, dark gray, very silty
3668	3672	4	Siltstone, gray and dark gray, with a few shell fragments
3672	3675	3	Sandstone, gray, fine
3675	3685	10	Siltstone, gray, containing 20% of medium to coarse-grained sand
3685	3699	14	Siltstone, gray to dark gray, slightly sandy
3699	3705	6	Siltstone, gray to dark gray, 70%; gray silty shale, 30%
3705	3768	63	Shale, dark gray, silty
3768	3784	16	Shale and siltstone, gray
3784	3793	9	Shale, gray, 70%; very dark gray silty shale, 30%
3793	3810	17	Shale, gray, silty
3810	3943	133	Siltstone and silty shale, gray; most of siltstone is fine and shaly
3943	4002	59	Shale, gray, partly silty
4002	4004	2	Shale and siltstone, gray; a little brown limestone
4004	4004		Depth corrected to 4023 by SIM
4023	4054	31	Shale, gray, with small amount of gray siltstone
4054	4089	35	Shale and siltstone, gray
4089	4105	16	Shale, gray
4105	4132	27	Shale and siltstone, gray to dark gray

4132	4150	18	Siltstone, gray, fine
4150	4183	33	Siltstone, very dark gray and black, fine
4183	4219	36	Siltstone, dark brownish gray, fine
4219	4232	13	Shale, dark gray, very silty
4232	4255	23	Shale and fine siltstone, gray
4255	4276	21	Siltstone, very dark gray, fine, alightly dolomitic
4276	4310	34	Siltstone and silty shale, dark gray
4310	4320	10	Siltstone, light gray, fine, 80%; dark gray siltstone and silty shale, 20%
4320	4329	9	Shale, dark gray, silty
4329	4365	36	Siltstone, gray
4365	4455	90	Siltstone, gray, 70 to 50%; gray shale 30 to 50%; amount of shale increase toward bottom of interval
4455	4509	54	Shale, gray, interstratified with nearly equal amount of gray siltstone
4509	4538	29	Siltstone, gray with small amount of gray shale
4538	4590	52	Shale, gray to dark gray, interstratified with large amount of gray siltstone
4590	4608	18	Siltstone, gray, alightly calcareous
4608	4655	47	Shale and siltstone, gray
4655	4687	32	Shale, gray, with a little siltstone
4687	4743	56	Siltstone, light gray to gray, 60 to 80%; darker gray shale, 40 to 20%
4743	4803	60	Shale, gray to dark gray, interstratified with gray to greenish siltstone
4803	4980	177	Shale, dark gray, with small amount of fine siltstone
4980	5036	56	Shale, dark gray, 70 to 80%; nearly black, very silty shale, 30 to 20%
5036	5090	54	Shale and fine siltstone, dark gray
5090	5336	246	Shale, gray, with varying amount of fine gray siltstone
5336	5437	101	Shale, dark gray
5437	5570	133	Shale, very dark gray, partly silty
5570	5680	110	Shale, dark gray
5580	6211	531	Shale, gray, with some fine gray siltstone
6211	6400	189	Shale, dark gray
6400	6415	15	Shale, dark gray, very silty
6415	6439	24	Siltstone, dark gray, fine
6439	6768	329	Shale, dark gray; some very dark gray to nearly black shale in most of the samples
6768	6851	83	Shale, very dark gray; not sharply separated from the shale above and below
6851	6888	37	Shale, dark gray
6888	7090	202	Shale, very dark gray
7114	7212	98	Depth corrected to 7114'
7212	7235	23	Shale, very dark gray to black, with small proportion of calcareous fragments
7235	7240	5	Shale, black, with many small specks of pyrite
7240	7255	15	Shale, black and very dark gray, 80%; light brown limestone, 20%
7255	7296	41	Shale, black to dark gray
7296	7316	20	Shale, black with small specks of pyrite
7316	7322	6	Shale, black, 90%; light brown limestone, 10%
7322	7335	13	Shale, dark gray, 70%; light brown to light gray limestone; 30%
7335	7342	7	Limestone, light brown to light gray, 60%; very dark shale (gray), 40%
7342	7388	46	Shale, very dark gray, <del>highly calcareous</del> highly calcareous, 70%; dark gray limestone, 30%
7388	7457	69	Shale, very dark gray; a small part is calcareous
7457	7544	87	Shale, black and very dark gray; a few clear quartz crystals and crystal fragments
7544	7711	167	Shale, black and very dark gray, slightly calcareous
7711	7726	15	Shale, black with very small amount of white vein calcite
7726	7734	8	Shale, black, calcareous, 70%; dark gray shale, 30%
7734	7744	10	Shale, black, calcareous, 50%; gray calcareous shale, 50%
7777	7827	50	Shale, dark gray, highly calcareous (gas pocket at 7744')
7827	7849	22	Depth corrected to 7777' by ELM
			Shale, black, slightly to moderately calcareous; a few fragments of vein calcite
			Shale, black, calcareous, 80 to 90%; light brown, silty shale, 20 to 10%

7849	7873	24	Shale, black and dark gray, calcareous
7873	7880	7	Shale, black, gray, and brown, highly calcareous
7880	7882	2	<u>Onondaga Formation (Huntersville Chert) 88 Feet</u> Chert, gray and dark-gray; also some brown silty shale; samples from this interval are mostly gray and black shale, probably savings
7882	7908	26	Chert, black, gray and nearly white; samples are nearly all gray and black shale, probably savings
7908	7911	3	Shale, dark gray to black, calcareous; a very few fragments contain glauconite
7911	7941	30	Shale, very dark gray to black, slightly calcareous; very few chert fragments (see, 7938-7941')
7941	7950	9	Shale, very dark gray to black, 70%; dark gray, silty and dolomitic chert, 30%
7950	7952	2	Chert, very dark gray, silty, shaly and dolomitic; also large amount of dark shale
7952	7954	2	Shale, very dark gray, with trace of chert
7954	7968	14	Shale, very dark gray, with varying but rather small amounts of dark gray shaly and slightly dolomitic chert (it is impossible to tell how much of the shale from 7800 to 7968' is savings and how much belongs in this interval)
	7979	T	Total depth reached by cable tools.

Samples from rotary drilling

7800	7808	8	Shale, black, with some small white calcite veins
7808	7848	40	Shale, black and very dark gray, calcareous with some small white calcite veins
7848	7856	8	Shale, black and very dark gray with some small white calcite veins
7856	7872	16	Shale, black and very dark gray, highly calcareous
7872	7880	8	No sample
7880	7881	1	Shale, dark gray to black, calcareous; small amount of impure limestone
7881	7883	2	No sample
7883	7889	6	Shale, dark gray to black, highly calcareous

7889	7890	1	<u>Onondaga Formation (Huntersville Chert) 88 Feet</u> Shale, gray, dark gray and black, partly calcareous; very small amount of chert
7890	7913	23	Shale, mostly black; very small amount of dark gray and light gray chert; only slight trace of calcareous material in the shale
7913	7950	37	Shale, very dark gray to black, non-calcareous; some of shale may be cherty but there is no good chert
7950	7962	12	Shale, very dark gray to black; a little gray chert
7962	7977	15	Shale, black; slight trace of chert in some samples

7977	7984	7	<u>Oriskany Sandstone, 69 1/2 Feet</u> Sandstone, white, medium grained; samples are nearly all black shale
7984	8000	16	Siltstone, gray, highly calcareous, and fossiliferous with many small grains of pyrite (core from 7993 to 7997')
8000	8010	10	Sandstone, gray, fine to very fine highly calcareous; samples are nearly all black shale
8010	8046	36	Sandstone, gray, fine to very fine highly calcareous siltstone and silty limestone which differ only slightly from the sandstone (core from 8010 to 8020 1/2'; material similar to that in the core apparently continues to the bottom, although the samples of drill cuttings are nearly all black shale)
	8046		Total depth

7977  
3358  
4619