

New Mexico Bureau of Mines and Mineral Resources  
Open-File Report No. OF-266

TOTAL ORGANIC CARBON ANALYSES OF THE TEXACO, INC.  
NO. 1 HOWARD MAJOR (SANDOVAL COUNTY), TENNECO OIL CO.  
NO. 1 PAH (SAN JUAN COUNTY), CLAUDE HUCKLEBERRY NO. 1  
FEDERAL (CATRON COUNTY), REESE AND JONES NO. 1  
TECOLOTE (VALENCIA COUNTY), AND SHELL OIL CO. NO. 1  
LAGUNA WILSON TRUST (BERNALILLO COUNTY) WELLS, NEW MEXICO

By Charles R. Dellenback  
Exxon Company, U.S.A.  
Midland, Texas

January 15, 1979

# EXXON COMPANY, U.S.A.

POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702

EXPLORATION DEPARTMENT  
SOUTHWESTERN DIVISION

January 15. 1979

Included are the results of the total organic carbon analysis made from the samples of the five wells which you loaned us in July, 1978. The wells are:

Tables:

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|---|--|
| 5 | Shell #1 Laguna Wilson<br>8-9N-1W<br>Bernalillo Co., New Mexico  |
| 4 | Reese & Jones #1 Tecolote<br>8-6N-3W<br>Valencia Co., New Mexico |
| 3 | Huckleberry #1 Federal<br>11-2N-16W<br>Catron Co., New Mexico    |
| 1 | Texaco #1 Major<br>10-13N-3W<br>Sandoval Co., New Mexico         |
| 2 | Tenneco #1 Pah<br>3-25N-11W<br>San Juan Co., New Mexico          |

It is our mutual understanding that these data will be kept confidential for one year and then become the property of the Bureau. We would like to thank you for your courtesies and help during this project.

Yours very truly,

  
C. R. Dellenback

CRD/lv  
Enclosure

TABLE 1

Organic Matter Contents and Lithologic Descriptions of Cuttings Samples  
from the Texaco #1 Major Well  
Sec. 10-13N-3W, Sandoval County, New Mexico

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
100-300	Cretaceous	1.26	1.54	Olive blk., non-calc. shale
300-600	Morrison	0.22	0.27	Lt. grayish-yellow-green & med. greenish-gray, non-calc. shale; med. gray & olive blk. non-calc. silty shale
740-1200	"	2.02	2.47	Med. olive gray & med. dk. greenish-gray, non-calc. shale
1350-1470	Entrada	0.13	0.16	Grayish-red & lt. olive gray, sl. calc. to v. calc. claystn. & sltstn.; lt. olive gray & med. gray, non-calc. mudstn. & shale
1470-1700	Chinle	0.09	0.11	Mod. reddish-brown, grayish-red & lt. olive gray, mod. calc. to v. calc. sl. silty shale
1700-2000	"	0.08	0.10	Olive gray & dk. reddish-brown, non-calc. to mod. calc. claystn. & shale
2000-2770	"	0.06	0.07	Grayish-red & dk. reddish-brown, non-calc. to mod. calc. shale
2770-2850	"	0.05	0.06	Grayish-red, med. yellowish-brown ls.
2850-3080	Aqua Zarca	0.06	0.07	Grayish-red, reddish-brown & med. olive gray, non-calc. claystn. & shale
3080-3220	San Andres-Glorieta	0.14	0.17	Pale yellowish-brown to dusky yellowish-brown limey dolomite
3250-3500	Yeso	0.07	0.09	Dusky red, dk. reddish-brown & pale brown, non-calc. shale & claystn.
3500-3740	"	0.08	0.10	Grayish-red, reddish-brown & med. gray, non-calc. shale wi. some claystn.
3740-4200	Meseta Blanca	0.08	0.10	Grayish-red, reddish-brown, med. gray & med. olive gray, non-calc. to sl. calc. shale
4200-4400	Abo	0.11	0.13	Grayish-red, dk. reddish-brown & med. olive gray, non-calc. shale, some silty
4400-4700	"	0.06	0.07	Grayish-red, reddish-brown & dk. reddish-brown, non-calc. shale, some silty
4700-5070	"	0.21	0.26	Dk. reddish-brown, grayish-brown & med. to med. dk. gray, non-calc. to mod. calc. shale
5070-5200	Madera	0.36	0.44	Pale yellowish-brown & dusky yellowish-brown dolomite & dolomitic ls.
5200-5400	"	0.08	0.10	Olive gray, pale yellowish-brown to dusty yellowish-brown ls.
5400-5600	"	0.12	0.15	Lt. olive gray to olive blk. ls.
5600-5700	"	0.14	0.17	Olive blk. to yellowish-gray ls. wi. some limey dolomite
5700-5850	Strawn	0.11	0.13	Lt. olive gray to olive blk. ls. wi. some limey dolomite

\*TOC - Total Organic Carbon

TOM - Total Organic Matter calculated from TOC

TABLE 2

Organic Matter Contents and Lithologic Descriptions of Cuttings Samples  
from the Tenneco #1 Pah Well  
Sec. 3-25N-11W, San Juan County, New Mexico

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
100-365	Nacimiento	0.18	0.22	Med. olive gray, non-calc. claystn.
495-550	Kirkland	0.11	0.13	Lt. olive gray, greenish-gray & dk. greenish-gray, non-calc. sltstn.; lt. olive gray, non-calc., poorly consolidated mudstn.; olive gray and med. dk. greenish-gray, non-calc. shale and claystn.; a little dk. gray, non-calc. qtzite.
550-800	"	0.09	0.11	Lt. olive gray & med. dk. greenish-gray, non-calc., fine to v. fine sltstn. wi. some shale
800-1060	"	0.21	0.26	Lt. olive gray to olive gray, greenish-gray med. dk. greenish-gray, non-calc. fine to v. fine sltstn. and shale
1060-1340	Fruitland	2.37	2.89	Lt. olive gray to olive blk. & greenish gray to dk. greenish-gray, non-calc. shale & v. fine sltstn.; some coal
1340-1470	Pictured	1.58	1.91	Med. dk. gray, brownish-blk. & med. olive gray to olive blk., non-calc. shale & f. to v. fine sltstn.
1470-1830	Lewis	0.87	1.06	Brownish-blk., med. olive gray, olive gray & dk. greenish-gray, non-calc. & calc., fine to v. fine sltstn. & shale
2170-2510	Lewis-Cliff House	1.44	1.76	Med. gray, med. dk. gray, brownish-blk., olive gray & greenish-gray, non-calc. shale wi. some fine & v. fine sltstn.
2510-2850	Cliff House	2.50	3.05	Med. gray, grayish-blk., olive gray & med. dk. greenish-gray, non-calc. shale wi. some fine to v. fine sltstn.
2850-3200	Menefee	7.56	9.22	Medium dk. gray to blk. & olive gray, non-calc. shale; some coal stringers in darkest shales
3200-3780	"	2.85	3.48	Med. to dk. gray, brownish-blk. & olive gray to olive blk., non-calc. shale; some coal stringers in darkest shales
3780-3990	Point Lookout	7.82	9.54	Med. lt. gray to grayish-blk., non-calc. shale & fine to v. fine sltstn.; some coal
3990-4400	Mancos	1.66	2.02	Med. to dk. gray, non-calc., fine to v. fine sltstn. wi. some shale
4400-4860	"	1.42	1.73	Med. dk. to dk. gray & med. olive to olive gray, non-calc. to sl. calc. shale & v. fine to fine sltstn.
4860-5110	Gallup	3.68	4.49	Med. dk. gray to grayish-blk. & brownish-blk., non-calc. shale wi. coal stringers in the darkest shales
5110-5360	"	3.39	4.14	Med. dk. gray to grayish-blk., non-calc. shale wi. coal stringers in the darkest shales
5360-5730	Sanastee	1.33	1.62	Med. dk. gray to grayish-blk., non-calc. to sl. calc. shale
5730-5790	Greenhorn	1.58	1.93	Brownish-blk., non-calc. & sl. calc. shale
5790-5890	Graneros	1.58	1.93	Med. dk. gray, dk. gray & brownish-blk., non-calc. & sl. calc. shale
5890-8050	Dakota	1.43	1.74	Dk. gray & a little med. olive gray, non-calc. shale
6050-6340	Morrison-	2.06	2.52	Dk. gray & brownish-blk., non-calc. shale
6340-6590	Westwater Canyon	0.06	0.07	V. dusky red, grayish-brown, lt. olive to olive gray, & greenish-gray, non-calc. silty shale; white anhydrite (?); white, calc., fine, qtz. s..

TABLE 2 (con't)

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
6860-7000	Summersville	0.06	0.07	V. dusky red, olive gray & greenish-gray, non-calc., silty shale; some lt. gray & olive gray, non-calc. & sl. calc., v. fine ss. to v. crse. sltstn.
7000-7020	Todilto	0.24	0.29	V. dusky red, med. gray, brownish-gray, greenish-gray & olive blk., non-calc., silty shale; olive gray & olive blk. ls.; med. brown, lt. gray & olive gray, non-calc., med. sltstn.
7290-7490	Chinle	0.04	0.05	Dk. reddish-brown, olive gray & greenish-gray, non-calc. & some calc., fine to v. fine sltstn. & shale
7490-7780	"	0.06	0.07	Dk. reddish-brown, olive gray & greenish-gray, non-calc. & calc., shale, silty shale & fine to v. fine sltstn.
7780-8020	"	0.04	0.05	Grayish-red, sl. calc. shale & v. fine sltstn.; grayish-pink, dk. grayish-red & med. gray, chalky & xline. ls.; lt. gray, calc. med. to fine qtz. ss.
8020-8100	Shinarump	0.04	0.05	V. dusky red, dk. reddish-brown & brownish-gray, non-calc. to calc. shale & fine sltstn.; a little v. lt. gray, non-calc., fine qtz. sltstn.
8100-8240	Moenkopi	0.05	0.06	Grayish-red, brownish-gray & dk. gray, non-calc. to sl. calc., shale & fine to v. fine sltstn.; a little lt. gray, non-calc., fine qtz. ss.
8490-8800	Organ Rock	0.03	0.04	V. dusky red, dk. reddish-brown, brownish-gray & brownish blk., non-calc. to sl. calc. shale & f. sltstn.; a little med. gray, olive gray & dk. greenish-gray, non-calc., silty shale
8800-9100	" "	0.05	0.06	V. dusky red, grayish-red, dk. reddish-brown, greenish-gray, brownish-gray, & olive gray, non-calc. to sl. calc. shale & fine to v. fine sltstn. & silty shale
9100-9400	" "	0.04	0.05	Grayish-red, dk. reddish-brown & dk. gray, non-calc. to sl. calc. shale & fine to v. fine sltstn.; a little grayish-brown, v. calc. ls.
9400-9850	" "	0.05	0.06	Dk. reddish-brown & dk. gray, non-calc. & sl. calc. shale & fine to v. fine sltstn.; a little brownish-gray ls.; a little pale yellowish-brown, mod. calc., fine ss.
9900-10,000	Hermosa	0.07	0.08	Dusky brown, Med-gray & olive gray, ls. & dolomite(?); a little gray & reddish-brown, non-calc. & sl. calc. shale & v. fine sltstn.
10,100-10,300	"	0.11	0.13	Lt. gray to med. dk. ls.; a little grayish-red, reddish-brown & grayish-blk., non-calc. to sl. calc. shale, silty shale & v. fine sltstn.
10,300-10,500	"	0.08	0.10	White, lt. gray, med. dk. gray, reddish-brown & olive blk. ls.; dk. reddish-brown, brownish-gray & olive blk., non-calc. to sl. calc., fine & v. fine sltstn.
10,500-10,700	"	0.14	0.17	Dk. reddish-brown, med. dk. gray & brownish-gray, non-calc. to sl. calc., fine & v. fine sltstn.; lt. gray, brownish-gray ls.
10,700-10,900	"	0.12	0.15	Lt. gray, med. dk. gray, brownish-blk. & olive blk. ls.; grayish-red, reddish-brown, grayish-brown & med. lt. to med. dk. gray, non-calc. to sl. calc., fine sltstn. & shale.

TABLE 2 (con't)

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
10,900-11,100	Hermosa	0.09	0.11	White, med. gray & olive blk. ls.; v. dusty red, dk. reddish-brown, brownish-blk. & olive blk., fine to v. fine sltstn. & shale
11,100-11,250	"	0.08	0.10	Wt. to med. lt. gray & olive gray to olive blk. ls.; dk. reddish-brown, brownish-gray, med. to dk. gray & olive blk. non-calc. to mod. calc. shale & fine to v. fine sltstn.
11,250-11,300	Molas	0.14	0.17	V. dusty red, reddish-brown, grayish-brown & lt. to med. dk. gray shale & fine to v. fine sltstn.; a little grayish-brown, dk. gray & olive blk. ls.
11,300-11,410	Leadville	0.15	0.18	White, med. dk. gray, pinkish-gray, grayish- orange-pink & pale yellowish-brown ls.; dk. reddish-brown, grayish-brown, greenish- gray & med. dk. gray, non-calc. & sl. calc. shale & fine sltstn.

\*TOC - Total Organic Carbon

TOM - Total Organic Matter calculated from TOC

TABLE 3

Organic Matter Contents and Lithologic Descriptions of Cuttings Samples  
from the Huckleberry #1 Federal Well  
Sec. 11-2N-16W, Catron County, New Mexico

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
110-190	Quaternary	0.10	0.12	Lt. brown, v. calc. mudstn.
390-590	Cretaceous	0.80	0.96	Olive gray & dk. greenish gray, non-calc. claystn.; ~ 35% lt. olive gray, non-calc. mudstn.
590-920	"	1.59	1.94	Greenish-gray, med. olive gray, med. gray & med. dk. gray, non-calc. claystn.; ~ 5% coal & coaly sediments
920-980	Graneros	4.19	5.12	Greenish-gray, med. gray, med. dk. gray & olive blk., pyritic, non-calc. claystn. & shale; ~ 10% dk. gray & med. olive gray mudstn.; ~ 3% coal
980-1040	"	1.20	1.47	Med. gray, med. dk. gray, lt. olive gray to olive blk. & greenish gray, non-calc. mudstn., some wi. coaly plant remains: ~ 15% med. gray to med. dk. gray claystn. & shale; ~ 10% dk. gray to blk., non-calc., coaly seds.
1040-1200	"	1.52	1.86	Med. to dk. gray, lt. to dk. olive gray & greenish-gray, non-calc. mudstn. & shale; ~ 10% dk. gray to blk., non-calc. coal & coaly seds.
1200-1510	"	0.50	0.61	Med. lt. to med. gray, lt. olive gray, greenish-gray, non-calc. mudstn. & shale, some wi. coaly plant remains
1510-1910	"	1.02	1.24	Med. to med. dk. gray, olive gray & dk. greenish-gray mudstn.; some sl. to mod. calc. claystn.
1910-2120	"	0.85	1.04	Med. gray, dk. gray, olive gray, greenish-gray, laminated, non-calc. to v. sl. calc. mudstn. wi. some claystn.
2120-2420	Triassic	0.52	0.63	Dk. gray to grayish blk., brownish gray, pale reddish-brown, grayish-red, grayish-brown, lt. olive gray & yellowish-gray, non-calc. to calc. claystn.; med. gray, med. dk. gray & lt. olive gray, non-calc. to sl. calc., fossiliferous mudstn.; grayish-red, non-calc., fossiliferous sltstn.
2440-2660	"	0.54	0.66	Yellowish-gray, med. to grayish blk., grayish-red purple, pale red & med. olive gray, non-calc. to sl. calc. claystn. & shale; ~ 10% grayish-red & med. olive gray, non-calc. mudstn.
2660-2890	"	0.73	0.89	Med. dk. gray, to grayish blk., lt. olive gray, olive gray & grayish-red, non-calc. claystn. & shale; ~ 30% grayish-bk., olive gray, mod. reddish-brown, grayish-red & lt. brownish-gray, non-calc. & calc. mudstn., some laminated
2890-3070	San Andres	0.13	0.16	White, pinkish-gray, lt. olive gray to olive blk. ls.
3070-3240	" "	0.07	0.09	V. lt. gray, v. lt. olive gray to olive blk. ls. & dolomitic ls.
3240-3480	Glorieta	0.10	0.12	Lt. gray, med. lt. gray, med. olive gray to olive blk. and grayish-brown, ls. & dolomitic ls., some wi. oil smell in acid

TABLE 3 (con't)

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
3500-3630	Yeso	0.09	0.11	White, yellowish-gray, lt. olive gray to olive blk. ls. & dolomite
3630-3930	"	0.54	0.66	Med. lt. to dk. gray, brownish-gray, med. olive gray, olive gray, greenish-gray, yellowish-gray, grayish-red purple & grayish-red, non-calc. claystn.; ~ 15% med. gray, lt. olive gray to olive gray, greenish-gray & grayish-red, non-calc. & sl. calc. mudstn.
3930-4230	"	0.11	0.13	Pale red, grayish-red, med. lt. gray to med. dk. gray, brownish-gray, dk. gray, grayish-grayish-blk., & pinkish-gray, non-calc. claystn.; ~ 15% med. gray, lt. brownish-gray & lt. olive gray, non-calc. to calc. mudstn.
4230-4530	Tubb	0.06	0.07	Pinkish-gray, lt. olive gray, brownish-gray & grayish-red, non-calc. & calc. claystn.; ~ 40% lt. gray, med. gray, grayish-red purple & grayish-red, non-calc. & sl. calc. mudstn.
4530-4890	"	0.08	0.10	Pinkish-gray, lt. olive gray, brownish-gray & olive gray, non-calc. & sl. calc. claystn.; ~ 30% brownish-gray, olive gray, pale red, grayish-red, & dk. reddish-brown, non-calc. & sl. calc. mudstn.
4890-5260	Abo	0.07	0.09	Yellowish-gray, lt. olive gray, greenish-gray brownish-gray, grayish-red purple, pale red & grayish-red, non-calc. claystn.; ~ 25% lt. brown, pale brown & pale red, non-calc. mudstn.
5260-5460	Wolfcamp	0.06	0.07	Pale red, grayish-red purple, brownish-gray & med. dk. gray, non-calc. & calc. claystn.; ~ 20% lt. brown, pale red & grayish-red, non-calc. mudstn.

\* TOC - Total Organic Carbon  
TOM - Total Organic Matter calculated from TOC



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TABLE 3

Organic Matter Contents and Lithologic Descriptions of Cuttings Samples  
from the Reese & Sons #1 Tecolote Well  
Sec. 8-6N-3W, Valencia County, New Mexico

Page 3

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
630-940	Pym	0.56	0.69	Grayish-red, reddish-brown & med. dk. gray, non-calc., silty shale
940-1250	Abo	0.07	0.09	Grayish-red & lt. gray, non-calc. silty shale
1250-1400	"	0.06	0.07	Grayish-red, sl. calc., sl. silty shale
1400-1610	Abo- Wolfcamp	0.06	0.07	Grayish-red, sl. calc., sl. silty shale
1610-1875	Wolfcamp	0.14	0.17	Reddish-gray & med. dk. gray ls.; some reddish-gray, calc. shale
1875-2100	Cisco	0.07	0.09	Med. dk. gray, olive gray & pale yellowish-brown ls.
2100-2350	"	0.08	0.10	Yellowish-brown & olive gray ls.
2350-2625	"	0.11	0.13	V. lt. gray & med. gray ls.
2630-2800	Strawn	0.07	0.09	V. lt. gray to med. gray ls.
2800-3000	"	0.07	0.09	V. lt. gray to med gray ls.
3000-3200	"	0.11	0.13	Med. gray, med. dk. gray & olive gray ls.
3200-3390	"	0.16	0.20	Lt. gray to med. dk. gray ls.
3390-3510	Derry	0.14	0.17	Med. lt. gray to dk. gray ls.

\*TOC - Total Organic Carbon

TOM - Total Organic Matter calculated from TOC

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TABLE 4.

Organic Matter Contents and Lithologic Descriptions of Cuttings Samples from the Shell #1  
Laguna Wilson Well, Sec. 8-9N-1W, Bernalillo County, New Mexico

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
200-500	Mesaverde	6.94	8.46	Med. gray, non-calc. mudstn.; med. dk. gray & olive gray, non-calc. shale; brownish-blk., non-calc., coaly, v.f. seds.
600-850	"	0.84	1.02	Med. olive gray, sl. calc. mudstn. & some fine sltstn.
850-1010	"	7.54	9.20	Med. olive gray, non-calc. mudstn.; blk. coal
1010-1150	"	2.36	2.88	Med. dk. gray & pale yellowish-brown non-calc. mudstn.
1150-1480	"	12.80	15.62	Dk. greenish-gray, non-calc. mudstn.; ~ 45% coal
1490-1640	"	28.85	35.20	Coal & coaly seds.; olive gray & olive blk., non-calc. mudstn.
1640-1800	"	22.25	27.14	Coal; med. olive gray, sl. to mod. calc. mudstn.
1800-2090	"	49.90	60.88	Coal & coaly seds.; some olive blk., non-calc., fine sltstn.; a little med. olive gray, non-calc., silty mudstn.
2420-2650	Crevasse Canyon	6.66	8.13	Med. olive gray, non-calc., med. to fine sltstn.; some coal
2780-3080	Mancos	10.10	12.32	V. lt. gray, med. olive gray, non-calc. to sl. calc., pyritic(?), fine sltstn.; coal
3080-3130	"	6.74	8.22	Med. olive gray, non-calc., fine sltstn.; some coal
3130-3420	"	2.71	3.30	Lt. olive gray, med. olive gray & olive blk., non-calc. to sl. calc. shale, f. sltstn. & mudstn.; a little coal
3420-3480	"	1.48	1.81	Med. olive gray & olive gray, non-calc. & sl. calc. shale & silty shale
3740-3840	Gallup-Dakota	3.86	4.72	Med. olive gray, non-calc. & sl. calc., silty shale & fine sltstn.; a little coal
3990-4070	Brushy Springs	0.20	0.24	V. lt. to med. lt. gray, non-calc. to sl. calc. shale & fine sltstn.
4380-4480	Summerville	0.06	0.07	Pale yellowish-brown, mod-calc., unconsolidated silt; lt. olive gray, mod. calc. to calc. ls. & shale; pale brown, non-calc. to mod. calc. shale & fine sltstn.
4480-4560	Todilto	0.34	0.41	Pale yellowish-brown, v. calc. unconsolidated silt; v. lt. olive gray ls.; white, non-calc. anhydrite; grayish brown & olive gray, non-calc. & calc. shale
4720-5020	Chinle	0.08	0.10	Mod. reddish-brown, mod. calc. to calc. shale & mudstn.
5020-5320	"	0.09	0.11	Reddish-brown, mod. calc., muddy sltstn. & mudstn.
5320-5620	"	0.07	0.09	Reddish-brown sl. calc. to calc. claystn., muddy sltstn. & mudstn.
5620-6010	"	0.06	0.07	Reddish-brown & dk. reddish-brown, v. sl. calc. & calc. silty shale & shale
6010-6060	Aqua Zarea	0.06	0.07	Reddish-brown, calc. to v. calc. silty shale
6060-6280	Aqua Zarea-San Andres	0.06	0.07	Grayish-red, pale reddish-brown, sl. to mod. calc. shale; a little v. lt. gray, non-calc. claystn.
6280-6370	San Andres	0.07	0.09	Pale yellowish-brown ls.

TABLE # (con't)

Depth Interval, Ft.	Formation	Percent Organic*		Lithologic Description
		TOC	TOM	
10,090-10,250	Strawn	0.41	0.50	Grayish-brown, olive gray, med. to dk. gray & brownish-blk., mod. calc. & calc., silty shale & shale; pale yellowish-brown, brownish-blk. & olive blk. ls.
10,340-10,470	Strawn	0.41	0.50	Dusky brown, brownish-blk. & olive blk., v. calc. shale; brownish-olive gray, v. calc., fine to med. siltstn.; brownish-gray & olive blk. ls.
10,490-10,710	Derry	0.36	0.44	Lt. gray to dk. gray & olive gray to olive blk. ls.; brownish-blk. & med. dk. gray to grayish-blk., non-calc. & calc., silty shale & shale
10,710-10,900	"	0.75	0.92	V. dk. reddish-brown, med. gray to grayish-blk., olive gray & brownish-blk., silty shale & shale; med. olive gray & olive blk. ls.; a little lt. olive gray, sl. calc., med. ss.
10,900-11,090	Derry-Cambrian	0.50	0.61	Mod. brown, grayish-brown med. dk. gray to grayish-blk. & olive gray, non-calc. to v. calc. shale; grayish-orange pink, v. pale yellowish-brown & brown, v. calc. ss.; a little grayish-orange, non-calc., med. to coarse ss.

\*TOC - Total Organic Carbon

TOM - Total Organic Matter calculated from TOC

+Many of these samples have dried coatings of calc. drilling(?) mud.