

Permit 850

TOOT-A-CHLOR CHLORIDE ANALYSIS

BY: DR. CHARLES H. TOOTLE, P. E.

DATE: FEBUARY 24, 1987

PERMIT 850; EXXON CORPORATION; CONSOLIDATED-TOMOKA LAND COMPANY, WELL NO. 23-3; LEHIGH PARK FIELD; SE/4 SECTION 22, TOWNSHIP 44 SOUTH, RANGE 26 EAST; LEE COUNTY ; FLORIDA.

DEPTH (FT.)	LOG RESISTIVITY (ILD)	POROSITY (FRAC.)	TEMP (F.)	WATER RESISTIVITY (OHMS)	CHLORIDES (PPM)	WATER QUALITY (COLOR)
250	28	.6	82.5	10.08	442.6776	BLUE
300	25	.6	83	9	495.4399	BLUE
350	21	.6	83.5	7.560001	591.2512	GREEN
400	24	.6	84	8.640001	510.5103	GREEN
450	40	.55	84.5	12.1	356.0003	BLUE
500	37	.5	85	9.25	469.1385	BLUE
550	38	.5	85.5	9.5	453.2858	BLUE
600	30	.5	86	7.5	577.5074	GREEN
650	30	.55	86.5	9.075001	469.6858	BLUE
700	27	.49	87	6.482701	664.7816	GREEN
750	60	.35	87.5	7.35	578.9779	GREEN
800	30	.37	88	4.107	1060.969	GREEN
850	21	.5	88.5	5.25	814.5971	GREEN
900	23	.48	89	5.2992	801.7496	GREEN
950	12	.6	89.5	4.32	987.8294	GREEN
1000	11	.55	90	3.3275	1291.938	GREEN
1050	12	.45	90.5	2.43	1848.031	GREEN
1100	14	.46	91	2.9624	1492.341	GREEN
1150	15	.46	91.5	3.174	1333.651	GREEN
1200	13	.5	92	3.25	1293.242	GREEN
1250	15	.42	92.5	2.646	1650.862	GREEN
1300	12	.39	93	1.8252	2423.328	YELLOW
1350	13	.36	93.5	1.6848	2620.501	YELLOW
1400	11	.45	94	2.2275	1943.838	GREEN
1450	14	.33	94.5	1.5246	2877.067	YELLOW
1500	22	.36	95	2.8512	1483.335	GREEN
1550	22	.37	95.5	3.0118	1345.548	GREEN
1600	13	.35	96	1.5925	2702.405	YELLOW
1650	15	.26	96.5	1.014	4315.357	YELLOW
1700	6.2	.29	97	.52142	8623.224	RED
1750	2	.36	97.5	.2592	17855.07	RED
1800	1.6	.35	98	.196	23787.51	RED

P#850

EXXON COMPANY, U.S.A.

POST OFFICE BOX 12159 · PENSACOLA, FLORIDA 32590

PRODUCTION DEPARTMENT
PENSACOLA DISTRICT

PAT G. KETCHAM
DISTRICT MANAGER

*No salinity interpretation
in my mail. BG 11-22-76*

November 19, 1976

Re: Dual Induction Log & Sonic Log
Runs 1 and 2
Exxon #23-3 Consolidated Tomoka
Lehigh Park Field
Lee County, Florida

Mr. C. W. Hendry, Jr., Chief
State of Florida
Department of Natural Resources
Bureau of Geology
903 West Tennessee Street
Tallahassee, Florida 32304

RECEIVED

NOV 22 1976

BUREAU OF GEOLOGY

Dear Mr. Hendry:

The captioned log runs from 228 feet to 3,572 feet (through the Boulder Zone) are enclosed for your analysis of the fresh water zone - salt water interface. Also enclosed is a salinity interpretation made by the Schlumberger field engineer which closely agrees with our interpretation below 1,700 feet. In essence, all formation water below 1,700 feet appears to have a NaCl concentration much greater than 10,000 ppm.

Tentatively we would like to meet with you or your staff on Monday, December 6, to consider our plan to permanently convert the Consolidated Tomoka #27-2 to a salt water disposal well.

Yours very truly,

EXXON COMPANY, U.S.A.

Floyd E. Leasburg

FOR Pat G. Ketcham
District Manager

JRK/caw

Enclosures