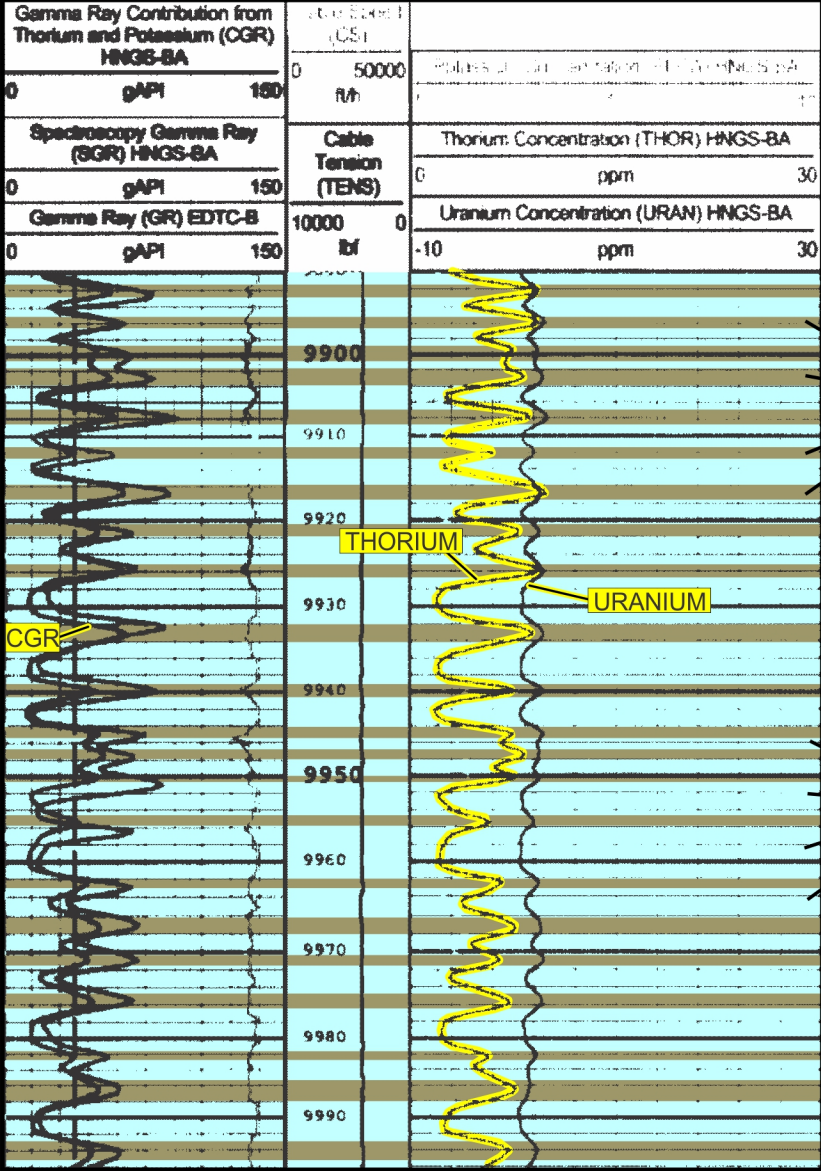


ALTERNATING HIGH TOC / LOW TOC BDL DEPOSITS - MIDDLE BDL INTERVAL

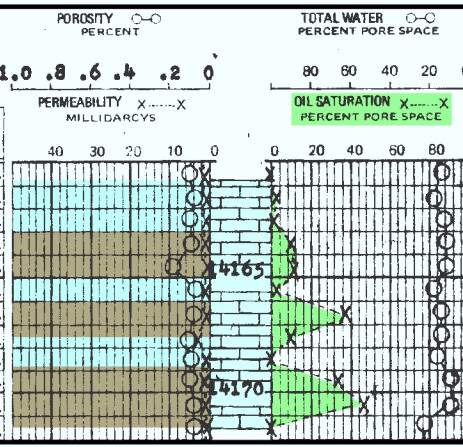
HOSTILE NATURAL GR SPECTROMETRY LOG Southwestern Johnson #21

Section 21, T22N-R1W; Union Parish, LA



Diamond Core Analysis Lower BDL - Clarke County, MS

SAM NO	DEPTH	PERMEABILITY MILLIDARCYs -K _z	POROSITY	SATURATION		INTERPRETATION
				WATER % PORE SPACE	OIL % PORE SPACE	
29	14160 1/2	<.001	5.1	4.8	15.9	Tr Nil
30	14161 1/2	<.001	3.5	2.1	20.0	2.0 Nil
31	14162 1/2	<.001	5.4	5.1	15.6	Tr Nil
32	14163 1/2	<.001	4.7	4.1	14.3	8.5 Nil
33	14164 1/2	<.001	9.4	8.1	13.2	10.0 Nil
34	14165 1/2	<.001	2.1	1.7	19.0	Tr Nil
35	14166 1/2	<.001	3.8	1.9	13.2	37.0 Nil
36	14167 1/2	0.07	3.5	2.8	11.4	8.6 Nil
37	14168 1/2	<.001	2.3	1.9	17.4	Tr Nil
38	14169 1/2	<.001	4.2	2.3	10.2	33.0 Nil
39	14170 1/2	<.001	3.0	1.3	10.0	47.0 Nil
40	14171 1/2	<.001	1.8	1.4	22.2	Tr Nil



BROWN LAYERS
HIGHER TOC,
SILICICLASTIC-
RICH ANOXIC
DEPOSITS
(PROBABLE
FLOOD EVENTS)

BLUE LAYERS
LOWER TOC
"CLEAN" ANOXIC
CARBONATE
DEPOSITS
(PROBABLE
DROUGHT
EVENTS)

**MOST THORIUM WITHIN THE
SEDIMENTARY CYCLE IS HELD
WITHIN ARGILLACEOUS
SEDIMENTS, AND READILY
ADSORBED BY ORGANIC
MATTER. (GOLDSCHMIDT, 1954)**

