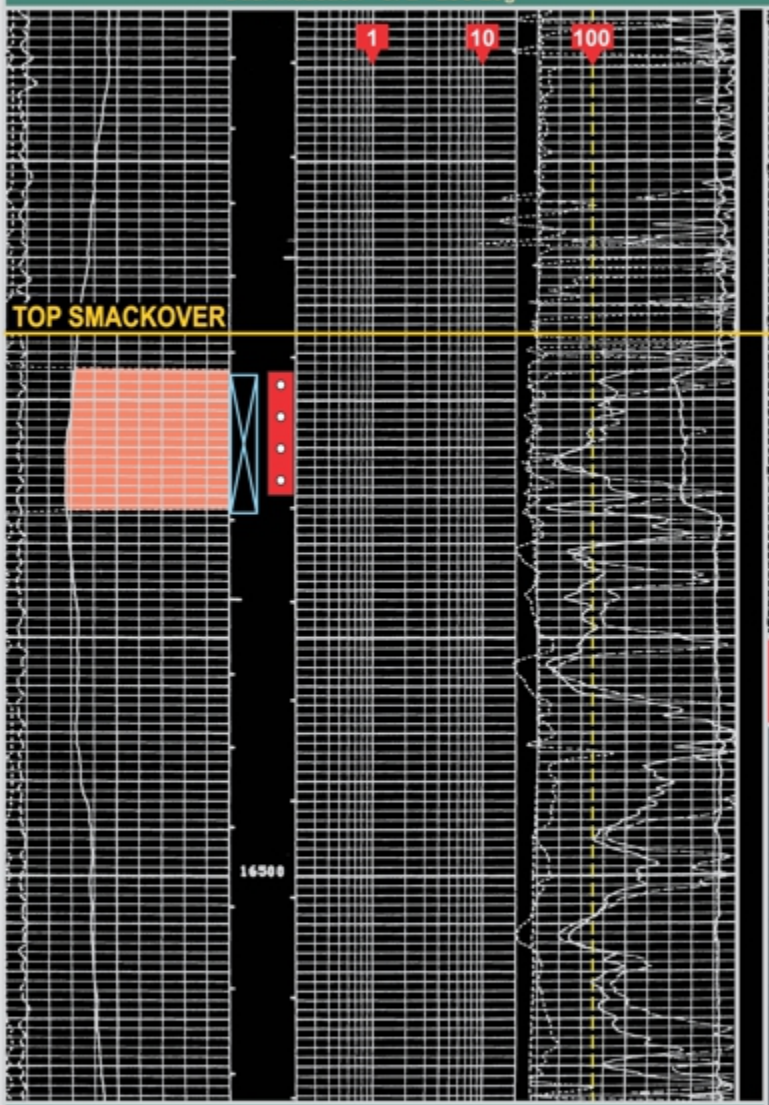
HEC #1 Sarah Middleton

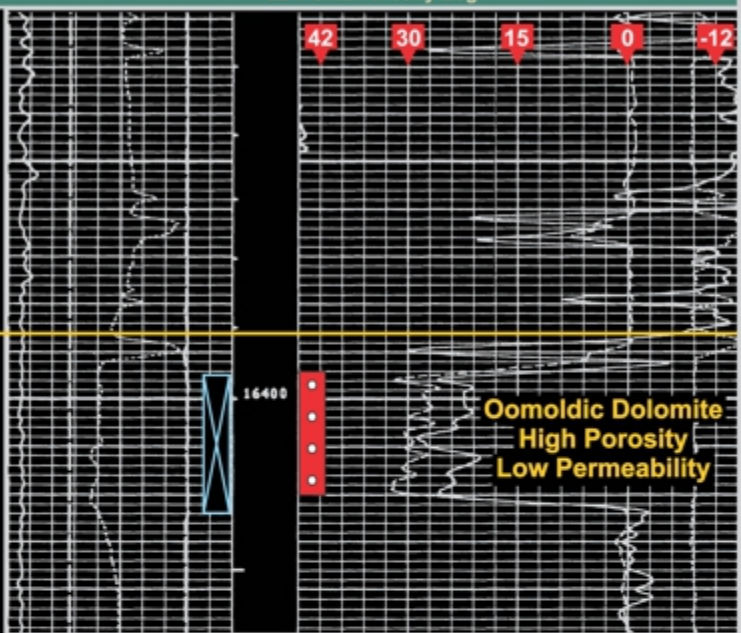
DISCOVERY - CROSBYS CREEK FIELD

Section 34, T8N-R4W; Washington County, Alabama

Dual Induction - SFL - LSS Log



LDT-CNL Porosity Log



Perf: 16,394'-16,420'
No Flow, Little Feed-in;
Acidized;
FARO 3050 MCFGPD, 1123 BCPD
FTP 1450 psi, 28/64" Ck, 52.5° Gr

CUMULATIVE PRODUCTION as of 9-2013:
4,273,494 MCF + 1,390,526 BC

DIAMOND CORE ANALYSIS
UPPER SMACKOVER OOMOLDIC RESERVOIR

Sample No.	Depth Feet	Permeability Millidarcys		Porosity Percent	Residual Liquid Saturations % of Pore Space		Probable Production
		Horizontal	Vertical		Oil	Total Water	
1	16400.5	0.27		30.7	0.6	13.7	GAS & COND
2	16401.5	0.43		28.0	0.7	15.5	GAS & COND
3	16402.5	0.26		28.9	4.4	11.1	GAS & COND
4	16403.5	0.05		24.9	0.4	21.7	LOW PERM
5	16404.5	0.30		28.4	0.7	6.8	GAS & COND
6	16405.5	0.81		24.1	1.8	14.1	GAS & COND
7	16406.5	0.22		22.3	1.0	11.3	GAS & COND
8	16407.5	0.64		31.6	0.6	11.7	GAS & COND
9	16408.5	0.67		32.1	0.6	11.5	GAS & COND
10	16409.5	0.25		27.1	0.8	15.4	GAS & COND
11	16410.5	0.51		23.4	0.9	15.6	GAS & COND
12	16411.5	0.72		32.8	0.3	13.7	GAS & COND
13	16412.5	0.06		29.2	0.3	14.2	LOW PERM
14	16413.5	0.29		30.1	0.3	20.7	GAS & COND
15	16414.5	4.64		22.9	1.0	41.2	GAS & COND
16	16415.5	0.08		22.7	0.5	30.4	LOW PERM
17	16416.5	4.87		26.2	3.3	33.8	GAS & COND
18	16417.5	0.03		27.3	0.7	22.2	LOW PERM
19	16418.5	3.07		31.9	0.6	37.9	GAS & COND
20	16419.5	4.68		30.3	0.3	31.0	GAS & COND
21	16420.5	2.20		29.2	0.7	15.5	GAS & COND
22	16421.5	2.31		28.4	0.7	26.0	GAS & COND
23	16422.5	17.0		32.3	0.6	35.0	GAS & COND
24	16423.5	1.37		31.4	0.6	37.0	GAS & COND
25	16424.5	7.1		20.8	1.1	43.5	GAS & COND
26	16425.5	4.12		15.9	0.7	37.0	GAS & COND
27	16426.5	0.00		9.9	1.2	28.1	NIL
28	16427.5	0.00		2.2	0.0	49.4	NIL
29	16428.5	0.00		3.2	0.0	33.4	NIL