

Carrasco #14-1
 East Loving (Delaware) Study
 Reservoir Simulation Input

Initial Reservoir Properties

Original oil-in-place, 40 acres	1949 MSTB
Reservoir pressure	2850 psia
Bubble point pressure	2850 psia
Reservoir temperature	113°F
Rock compressibility	4.2 x 10 ⁻⁶ /psi

Initial Fluid Properties

Oil formation volume factor	1.512 RB/STB
Oil gravity	43° API
Oil viscosity	0.494 cp
Water formation volume factor	1.010 RB/STB
Water density	1.190 g/cc
Water viscosity	1.20 cp
Water compressibility	3x10 ⁻⁶ /psi
Gas gravity	0.71

INDIVIDUAL RESERVOIR DATA

	M1	M2	L1	L2
Average porosity, %	15	11	14	13
Average permeability, md	0.763	0.351	1.478	0.271
Net pay, feet	42	8	12	8
Irreducible water saturation, %	26.8	29.5	23.4	19.9
Residual oil saturation, %	35.3	29.1	34.4	33.5
Critical gas saturation, %	5	5	5	5
Initial solution gas-oil ratio, SCF/STB	1039	1039	875	1039

**BEFORE THE
 OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico**

Case No. 10226 Exhibit No. 13

Submitted by BIRD CREEK

Hearing Date 8-29-91