

**WHITE CITY PENN FIELD
NINE SECTION AREA**

NUMBER OF WELLS	13
AVERAGE POROSITY	7 %
AVERAGE FEET OF POROSITY	49 FT
ESTIMATED SW	30%
ESTIMATED ORIGINAL BHP PSIA	5200 PSI
ESTIMATED BOTTOM HOLE TEMPERATURE OF	180°F
ESTIMATED ORIGINAL GAS COMPRESSIBILITY	.95

ORIGINAL GAS IN PLACE:	645 MCF/AC-FT
ORIGINAL GAS IN PLACE PER SECTION:	20.2 BCF
RECOVERABLE GAS (75% RECOVERY FACTOR)	15.0 BCF
RECOVERABLE GAS FOR NINE SECTIONS	135 BCF
CUMULATIVE RECOVERY	34.5 BCF

EXHIBIT NO. 4
MURCHISON OIL & GAS, INC.
WITNESS: M.S. DAUGHERTY
CASE NO 12424 JUNE 1, 2000