

LANE WOLFCAMP POOL
LEA COUNTY, NEW MEXICO

DISCOVERY WELL: Sunray Mid-Continent New Mexico State No. 1

ORIGINAL BHP: 3516 PSI

BOTTOM HOLE PRESSURE HISTORY: See performance curves and tabulations

BHP AT DEPLETION: 2960 PSI

BUBBLE POINT OF LANE WOLFCAMP CRUDE OIL: 3388 PSI

FORMATION VOLUME FACTOR OF LANE WOLFCAMP CRUDE OIL: 1.823

SPACING: 80 acres

RESERVOIR DATA AND INTERPRETATIONS: The relatively small decline in Bottom Hole Pressure along with a decrease in oil production accompanied by an increase in water production indicates that water drive was the primary source of energy in this reservoir.

OIL RECOVERY: Nine wells were completed in this field and have produced an accumulated volume of 1,015,160 barrels of oil for an average of 112,800 barrels each. An examination of the logs of the productive wells in the pool showed an average porosity zone of 10.3 feet per well. Applying 80 acre drainage, the average well had 824 acre feet of net pay. Dividing 824 into 112,800 gives an average of 137 barrels per acre foot recovery.

PRODUCTIVE LIFE OF FIELD: 5 years

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 7

CASE NO. 2660