

Upper Penn reserves:

1.3 trillion Natl gas PL dedications only.
1.4-15 if So Union wells are incl.

INDIAN BASIN - UPPER PENN POOL

D A T A S H E E T

(based on
53 wells)

NUMBER OF PRODUCING WELLS

53

ACREAGE WITHIN PRESENT POOL LIMITS

34,677.78 acres

PRODUCTION DATA

Cumulative Gas Production to Jan. 1, 1967

38,912,000 MCF

Cumulative Condensate Production to Jan. 1, 1967

310,500 Bbls.

Cumulative Water Production to Jan. 1, 1967

142,200 Bbls.

2 fld
condensate
only -
no plant
liquids

CORE AND LOG DATA

Porosity from Cores (7 wells)

4.32%

Porosity from Logs

4.50%

Permeability from Cores

46.3 md.

Connate Water Saturation

Approx. 25%

porosity below
2% does not
count in
calculating
ave porosity

3150 down
to 0.1 in

FLUID DATA

Gas Specific Gravity

0.65-

Compressibility - Z Factor

0.84-

Condensate Gravity

59° API at 60° F

Approximate Condensate Yield

8 Bbls./MMCF

same
same
that had
2% porosity

RESERVOIR DATA

Original Reservoir Pressure (Datum: -3640')

Approx. 2917 psig.

Reservoir Temperature

146° F

Gas-Water Contact

Est. -3770 Feet

February 8, 1967

this is a minimum
as there were 100-1000
measured as high
as 2952

MARATHON OIL COMPANY

NMOCC CASE NOS. 2749
AND 2750 REOPENED

EXHIBIT 4