



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1829

HOBBS, NEW MEXICO 88240

July 27, 1973

Yates Petroleum Corporation
207 South 4th Street
Artesia, New Mexico 88210

RE: Undesignated Morrow
State CK, No.1
4-Point Back Pressure
Test, Gas Sample &
Analysis test

Gentlemen:

In compliance with your instructions, A 4_point Back Pressure Test was conducted, and the absolute open flow potential was calculated to be 22856 MCF/D. The average gas production was recorded as 2353.8 MCF/D with 42.24 BD/D, and a resulting GOR of 55724 CF Gas/BD.

The gas sample taken during the test yielded component percentages as follows:

CARBON DIOXIDE	0.28
HELIUM	0.01
OXYGEN	0.39
NITROGEN	0.43
HYDROGEN SULFIDE	0.00
METHANE	89.56
ETHANE	6.11
PROPANE	2.03
ISO-BUTANE	0.26
NORMAL BUTANE	0.49
ISO-Pentane	0.14
NORMAL PENTANE	0.14
HEXANES	0.11
HEXANES plus	0.05
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	100.00
CALCULATED Sp. G.	0.6301
CALCULATED BTU	1093

Very Truly Yours

Coleman Petroleum Eng. Co.

Joe A. Coleman

Enclosures:

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