



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

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P. O. BOX 1829

HOBBS, NEW MEXICO 88240

August 3, 1973

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

RE: West Atoka Morrow
Vandiver CN, 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 235149 MCF/D. The average gas production was recorded as 6456.6 MCF/D with 39.66 BD/D, and A resulting GOR of 162799 CF Gas/BD.

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

CARBON DIOXIDE	.0048
HELIUM	.0001
OXYGEN	.0046
NITROGEN	.0044
HYDROGEN SULFIDE	-
METHANE	.9057
ETHANE	.0519
PROPANE	.0177
ISO-BUTANE	.0026
NORMAL BUTANE	.0042
ISO-PENTANE	.0015
NORMAL PENTANE	.0012
HEXANES	.0069
HEXANES plus	.0004
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CALCULATED Sp. G.	6235
CALCULATED BTU	1076.6

Enclosures:

Very Truly Yours

COLEMAN PETROLEUM ENG.CO.

Joe A. Coleman